



**IMMPORT**  
BIOINFORMATICS FOR THE FUTURE OF IMMUNOLOGY

# ImmPort Advanced Search

## Introduction

Advanced Search is used in the ImmPort model to combine two or more simple queries using the Boolean operator 'AND' on metadata. The combined search is used to enhance the simple search capability for Research Data analysis. This feature supplements and does not replace previous research data search functionality. Advanced Search is available from the homepage under the 'Access Data' tab. If you have any comments or questions about advanced for research data and reference data in ImmPort, please call or email [helpdesk@import.org](mailto:helpdesk@import.org).

This capability is available for the following categories of the ImmPort research data:

- Study
- Subjects
- Biological Samples
- Experiments
- Experiment Samples
- Reagents
- Protocols
- Uploaded Files
- ELISPOT Results
- ELISA or MBAA Results
- FCM Analyzed Results

The capability is also available for the following categories of ImmPort reference data:

- Gene
- SNP
- Protein
- MHC Allele

Advanced Search can be used to support various items or activities in the ImmPort data model including:

- Apply multiple attributes from a single data category as filters
- Use multiple attributes from multiple data category as filters
- Facilitate searches for specific types of data
- Apply lists of records saved from previous queries as filter attributes



**IMMPORT**  
BIOINFORMATICS FOR THE FUTURE OF IMMUNOLOGY

# ImmPort Advanced Search

## Types of Advanced Search

Advanced Search supports a wide spectrum of search strategies, technologies, and interfaces. Among the search strategies, the possibilities include:

- Keyword searches
- Data browsing
- Specific attributes search

Browsing and simple text searches require little knowledge of the stored data. Searching with specific attributes assumes that the user has some prior knowledge of the topic and would like to focus their results.

Examples of searches include:

1. Using specific attributes of an entity to find a topic or category of interest. A deliberate and focused search may include finding all biological samples where the age of the subject who provided the sample is greater than 45 and where the sample was assayed on the Affymetrix U95 gene expression platform. As additional filter categories are added, a form of browsing will continue to be supported with the advantage that more attributes may be used to browse and filter results.
2. Keyword Searching is used extensively for searching paradigms. A 'LIKE' match can be used to extend the 'EXACT' match queries.
3. A 'NOT EQUAL' filter term is used to obtain results that do not return the search term specified. This term is sometimes used closely with the term 'NOT MATCH' that is not currently supported in the ImmPort model.



# Research Advanced Search

To use Advanced Search, go to the Access Data tab on the ImmPort homepage and scroll to Research Advanced Search.

The screenshot shows the IMMPORT website interface. At the top, there is a navigation bar with tabs: About ImmPort, Admin, Access Data, Tools, Resources, and News & Events. The 'Access Data' tab is selected, and a dropdown menu is open, showing options: Submit Data, Submission History, Submission Resources, Research Data, **Research Advanced Search**, Reference Data, Reference Advanced Search, and My Saved List. A callout bubble points to the 'Research Advanced Search' option in the dropdown, containing the text: "Select Access Data in ImmPort. Click on Advanced Research Data from displayed list."

Below the navigation bar, there is a search bar with the text "Search / Research Advanced Search". To the right of the search bar, there are buttons for "Projects" and "Change Projects". A callout bubble points to the "Change Projects" button, containing the text: "You may change the projects in which you wish to search".

Below the search bar, there is a section titled "Using Advanced Search:" with four bullet points: "Choose the type of data you want to find (e.g. subjects, samples) from the drop down", "Choose a folder to refine your search. It can be the same or different data type", "Click on the data feature(s) you want to search.", and "Enter search terms for one or more features".

Below the "Using Advanced Search:" section, there is a section titled "Advanced Search - Selected Return Data Type : Subject". It includes a dropdown menu for "Please Choose Data Type to Find" set to "Subject", and a "Results per page" dropdown set to "25". On the left, there is an "Advanced Search Attribute Tree" with a list of folders: Study, Subject, Biological Sample, Experiment, Experiment Sample, Reagent, Protocol, Uploaded File, ELISPOT Results, ELISA or MBAA Results, and FCM Analyzed Results. A callout bubble points to the "Subject" folder, containing the text: "Expand each of the data types to view the attribute tree of each. These attributes are used to filter the advanced search."

On the right side of the "Advanced Search" section, there is a "Change Projects" dialog box. It has a "Select Project(s) - Select one or more project(s)" section with a "Check/Uncheck All" checkbox. Below this, there are two sections: "My Research Projects" and "My Collaborative Projects". Each section has a "Project name in brown are marked for deletion" warning and a table with columns "Project Title" and "T & E". The "My Research Projects" section has two rows: "TESTING: Bioinformatics Integration Support Project" and "Test research project for v2.5.2". The "My Collaborative Projects" section has one row: "Test collaborative project for v2.5.2". Below these sections, there is a "Public Workspaces" section with a table with columns "Project Title" and "Project Description". It has two rows: "SEMI-PUBLIC WORKSPACE (SPW) PROJECT" and "Public Data".



# Research Advanced Search

You may browse the data in different categories (e.g. subjects, samples, results) or use attributes to filter for a more refined search. The example below is a general search through selected projects for subjects defined only by species. The same repertoire is repeated in all the data types. Take Subject for instance as shown below.



### Using Advanced Search:

- ▶ Choose the type of data you want to find (e.g. subjects, samples) from the drop down list.
- ▶ Choose a folder to refine your search. It can be the same or different data type from the data you want to find.
- ▶ Click on the data feature(s) you want to search.
- ▶ Enter search terms for one or more features.

List of currently selected projects..

#### Research Projects:

TESTING: Bioinformatics Integration Support Project  
Test research project for v2.5.2  
SEMI-PUBLIC WORKSPACE (SPW) PROJECT  
Public Data

#### Collaborative Projects:

Test collaborative project for v2.5.2

**Advanced Search - Selected Return Data Type : Subject**

Please Choose Data Type to Find : **Subject** Results per page : 50

**Advanced Search Attribute Tree**

- Subject
  - Species
  - Saved List
- Demography
  - Gender
  - Ethnicity
  - Race
  - Population Name
  - Religion
  - Age at Enrollment
- Identifiers and Description

Subject: Saved List    Equal       

Subject: Ethnicity    Like       

The category of data to find is selected here

The ellipse (...) link will display a list of distinct values.



# Research Advanced Search

The example below is a general search through selected projects for subjects defined only by species.

The screenshot displays the 'Advanced Search' interface. At the top, it shows 'Selected Return Data Type : Subject'. Below this, there's a section for 'Please Choose Data Type to Find : subject' and 'Results per page : 50'. The main area is divided into an 'Advanced Search Attribute Tree' on the left and a search criteria list on the right. The attribute tree includes categories like 'Subject', 'Demography', and 'Identifiers and Description'. A blue callout bubble points to the 'Demography' section, stating: 'Select attributes from Attribute Tree – selected criteria will appear to the right'. The search criteria list shows 'Subject: Saved List' with an 'Equal' operator and 'Subject: Ethnicity' with a 'Like' operator. A 'Remove' button is visible next to each criterion. Below the search criteria, a 'Selected items: Black,Hispanic:' section is shown. A blue callout bubble points to this section, stating: 'Click on the checkboxes for the ethnic groups of interest click **SELECT** for the selected list'. The bottom part of the screenshot shows a list of search results, with 'PED at 2.5.2' highlighted in blue. The interface also includes a 'Submit' and 'Cancel' button at the top right, and a 'Page 1 of 1' indicator at the bottom.



# Research Advanced Search

A list of subject accession numbers are displayed and the user can select a range of rows to view data details, save items, save all or export the files. Column display may be customized using the dropdown menu accessed by clicking the Display Columns button.

**Research Data / Research Advanced Search**

**Selected Projects** **Change Projects**

[Home](#) | [Studies](#) | [Experiments](#) | [Subjects](#) | [Biological Samples](#) | [Protocols](#) | [Reagents](#) | [Experiment Sample](#) | [Uploaded Files](#) | [Share Research Data](#) | [Download Project Summary](#) | [Advanced Search](#)

**Using Advanced Search:**

- ▶ Choose the type of data you want to find (e.g. subjects; samples) from the drop down list.
- ▶ Choose a folder to refine your search. It can be the same or different data type from the data you want to find.
- ▶ Click on the data feature(s) you want to search.
- ▶ Enter search terms for one or more features.

Adv type: **Subject**

Tip: You can select a range of rows by holding down the 'Shift' key and then clicking the first and last rows you wish to select. This works best if you do not click on the check boxes. [More tips.](#)

Use **Display Columns** to hide or show columns. Columns can also be moved by clicking on the column header and dragging to a new location.

Page 1 of 7 | Displaying 1 - 25 of 159

<input type="checkbox"/>	Sub Org Accession	User-Defined	Species	Race/Str	Ge	Description	Subject Phen	Project Title	Study/Arm
<input type="checkbox"/>	SUB73366	ITN019AD_00	Homo sapiens				ind	ITN019AD - Clinical Tr	<a href="#">SDY1</a> Immunotherapy with anti-IgE
<input type="checkbox"/>	SUB73367	ITN019AD_00	Homo sapiens	White	Female	Omalizumab + Placebo	Ragweed-ind	ITN019AD - Clinical Tr	<a href="#">SDY1</a> Placebo Immunotherapy with anti-IgE
<input type="checkbox"/>	SUB73368	ITN019AD_00	Homo sapiens	White	Female	Omalizumab + Placebo	Ragweed-ind	ITN019AD - Clinical Tr	<a href="#">SDY1</a> Placebo Immunotherapy with anti-IgE
<input type="checkbox"/>	SUB73369	ITN019AD_00	Homo sapiens	White	Female	Placebo IT	Ragweed-ind	ITN019AD - Clinical Tr	<a href="#">SDY1</a> Placebo Immunotherapy with placebo anti-IgE
<input type="checkbox"/>	SUB73370	ITN019AD_00	Homo sapiens	White	Male	Placebo + Ragweed I	Ragweed-ind	ITN019AD - Clinical Tr	<a href="#">SDY1</a> Immunotherapy with placebo anti-IgE
<input type="checkbox"/>	SUB73371	ITN019AD_00	Homo sapiens	White	Male	Omalizumab + Ragwe	Ragweed-ind	ITN019AD - Clinical Tr	<a href="#">SDY1</a> Immunotherapy with

Select to choose Column display options

Select the arrow to return to the Attribute Tree for editing your search criteria

Select View Details, Save items, save all, or export files

Save selected items to a list

Select any or all boxes for detailed viewing or saving to a list

the search box -



Research Advanced Search can be used to find experiments of interest. Each experiment can be selected for a detailed view in a tabbed format. Within the tabbed format it is possible to view other fields associated with an experiment such as experiment samples and protocols.

**EXP3727**

Project Title: ITN019AD - Clinical Trial  
Principal Investigator: Dunn, Patrick  
Experiment Accession No: EXP3727  
User Defined Experiment ID: RPCIFLOW\_ITN019AD  
Title: RPCIFLOW\_ITN019AD  
Experiment Type: Cellular\_Quantification  
Measurement Technique: FCM  
Description:  
Hypothesis:  
Rationale:  
Keywords:  
Quality Control Measures:  
Experimenters:  
Submission Date: 2009-06-11

**Experiment Variables:**  
**Experiment links**

**Experiment Samples associated with this Experiment**  
Selected items: ES103428, ES103429, ES103430, ES103431, ES103432, ES103433, ES103434, ES103435, ES103436, ES103437, ES103438, ES103439, ES103440, ES103441, ES103442, ES103443, ES103444, ES103445, ES103446, ES103447, ES103448, ES103449, ES103450, ES103451, ES103452

Page 1 of 468 | View Details | Save Items | Save All | Export | Displaying 1 - 25 of 11696

Exp Sample Acc	Exp Sample ID	Exp Sample Name	Exp Acc	Exp User-Def ID	Data Format	Project Title
<input checked="" type="checkbox"/>	ES103428	ITN019AD_001_001_ITN019AD_001_001_1	EXP3727	RPCIFLOW_ITN0	FCM_report_file	ITN019AD - Clinical Trial
<input checked="" type="checkbox"/>	ES103429	ITN019AD_001_001_ITN019AD_001_001_1	EXP3727	RPCIFLOW_ITN0	FCM_report_file	ITN019AD - Clinical Trial
<input checked="" type="checkbox"/>	ES103430	ITN019AD_001_001_ITN019AD_001_001_1	EXP3727	RPCIFLOW_ITN0	FCM_report_file	ITN019AD - Clinical Trial
<input checked="" type="checkbox"/>	ES103431	ITN019AD_001_001_ITN019AD_001_001_1	EXP3727	RPCIFLOW_ITN0	FCM_report_file	ITN019AD - Clinical Trial

**Protocols used**

Page 1 of 1 | View Details | Save Items | Save All | Export | Displaying 1 - 1 of 1

Protocol Accession	User-Defined ID	Name	Type	Author	Project Title
<input type="checkbox"/> PTL2332	Flow Surface	Flow Surface	Assay		ITN019AD - Clinic:

Click 'view details' for more information on the mechanistic assay as shown below. The user can 'view details', 'save items', 'save all' or 'export' the results for further analysis



Research Advanced Search can be used to search ImmPort for Studies.

The screenshot shows the IMMPORT website navigation menu. The 'Access Data' tab is selected, and a dropdown menu is open. The 'Research Advanced Search' option is highlighted in the dropdown. A blue callout box points to this option with the text: "From the Access Data tab, select Research Advanced Search to view the advance search attribute on the left panel".

The screenshot shows the 'Advanced Search' interface. The 'Please Choose Data Type to Find' dropdown is set to 'Study'. A blue callout box points to the 'Study' dropdown with the text: "Select Study and then click on submit to get the information on the study information available in your project". The 'Advanced Search Attribute Tree' on the left lists various data types, including Study, Subject, Biological Sample, Experiment, Experiment Sample, Reagent, Protocol, Uploaded File, ELISPOT Results, ELISA or MBAA Results, and FCM Analyzed Results.



Studies available for viewing include those submitted by the user and those found in the Semi-Public Workspace. Studies in the Semi-public Workspace are those studies with data housed in ImmPort which have been made publicly available to all ImmPort registrants.



Search / Research Advanced Search

Selected Projects

Change Projects

**Using Advanced Search:**

- ▶ Choose the type of data you want to find (e.g. subjects, samples) from the drop-down list.
- ▶ Choose a folder to refine your search. It can be the same or different data type from the data you want to find.
- ▶ Click on the data feature(s) you want to search.
- ▶ Enter search terms for one or more features.

Click to view details of a selected study or export for further analysis

To modify your search, please expand the search box →

Advanced Search - Selected Return Data Type : Study

Tip: You can select a range of rows by holding down the 'Shift' key and clicking the first and last rows you wish to select. This works best if you do not click on the checkboxes. [More tips](#).

Selected items: SDY1, SDY2, SDY3

Page 1 of 1 | View Details | Export | Displaying 1 - 3 of 3

<input checked="" type="checkbox"/>	Title	Principal Investigator	Objectives	Schematic	Start Date	End Date	Study Type	Subjects Number	Assay Results
<input checked="" type="checkbox"/>	Allergen immunotherapy Co-administered with Omalizumab	Thomas Casale	<a href="#">Primary Objective: To examine whether omalizumab given prior to RIT followed by 12 weeks of dual oma...</a>		2003-04-01		Interventional	159	<a href="#">FCM</a> <a href="#">ELISA</a>
<input checked="" type="checkbox"/>	Immune Response to Vancella Vaccination in Subjects with Atopic Dermatitis Compared to Nonatopic Controls	Lynda Schneider	<a href="#">Primary Objective: To determine if children with AD have VZV-specific cell mediated immune (CMI) res...</a>				Observational	69	<a href="#">FCM</a>
<input checked="" type="checkbox"/>	TEST STUDY 2 - PILOT - Allergen immunotherapy Co-administered with Omalizumab	...	<a href="#">Primary Objective: To examine whether omalizumab given prior to RIT followed by 12 weeks of dual oma...</a>		2003-04-01		Interventional	159	<a href="#">FCM</a> <a href="#">ELISA</a>



## Search based on Study characteristics

**Research Data / Study Summary**

Home | Studies | Experiments | Subjects | Biological Samples | Protocols | Reagents | Experiments | Advanced Search

This page provides a summary overview of various types of clinical studies within your given research area. You can view details for one or more studies and clicking the 'View Details' button.

**Search Options**

Study Title	Like	
Study Description	Like	
Study Objectives	Like	
Study: Project	Equal	
Study Type	Like	

Submit

Use **Display Columns** to hide or show columns.

Page 1 of 1 | Select | Displaying 1 - 3 of 3

briefTitle	Title	Principal Investigator	Primary Objectives	Date	Study Type	Count
<input type="checkbox"/>	Allergen immunotherapy Co-administered with Omalizumab	Thomas Casale				
<input type="checkbox"/>	Immune Response to Varicella Vaccination in Subjects with Atopic Dermatitis Compared to Nonatopic Dermatitis					
<input type="checkbox"/>	TEST STUDY 2 - PILOT - Allergen immunotherapy Co-administered with Omalizumab					
<input type="checkbox"/>	Role of Antimicrobial Peptides in Host Defense Against Vaccinia Virus	Donald Leung	<a href="#">Primary Objectives:</a> 1. <a href="#">To compare the levels of vaccinia virus gene expression in vaccinia ...</a>	2005-06-01	Observational	286
<input type="checkbox"/>	Genetics of Atopic Dermatitis-Eczema Hermeticum	Lisa Beck, Kathleen Barnes	<a href="#">Primary Objective:</a> 1. <a href="#">To identify candidate</a>	2006-05-11	Observational	

Click here for a view of the studies available



**IMMPORT**  
BIOINFORMATICS FOR THE FUTURE OF IMMUNOLOGY

# ImmPort Research Data Queries

Detailed page of the Study: Allergen immunotherapy Co-administered with Omalizumab (SDY1). Below is a collapsed view presentation of the study. To view the details of each block, please go the next slide.

**IMMPORT** [Edit Profile](#) | [Sign Out](#)

[Home](#) | [About ImmPort](#) | [Admin](#) | [Access Data](#) | [Tools](#) | [Resources](#) | [News & Events](#)

**Research Data / Study Detail** [Selected Projects](#) [Change Projects](#)

[Home](#) | [Studies](#) | [Experiments](#) | [Subjects](#) | [Biological Samples](#) | [Protocols](#) | [Reagents](#) | [Experiment Sample](#) | [Uploaded Files](#) | [Share Research Data](#) | [Download Project Summary](#) | [Advanced Search](#)

[\(Back to Advanced Search\)](#)

**SDY1**

Collapse All:  Expand All:

- Study Summary**
- Demographics**
- Assessments**
- Concomitant Medications**
- Adverse Events**
- Clinical Lab Tests**
- Mechanistic Assays**
- Documentation**

A maximum of 10 tabs can be displayed on a study detail page. Expand the blocks for detailed information on the study characteristics

## 1. Study Summary

SDY4
Collapse All:  Expand All:

**Study Summary**

Study Title:	Allergen immunotherapy Co-administered with Omalizumab
Principal Investigator:	Thomas Casale
Study Type:	Interventional
Condition Studied:	Seasonal allergy to ragweed
Brief Description:	A series of allergy shots may reduce symptoms of seasonal ragweed allergies. This study will determine whether taking a drug called omalizumab (also known as Xolair) before getting the allergy shots is more effective than allergy shots alone or other treatments, such as prescription antihistamines.
Start Date:	2003-04-01
Schematic:	<a href="#">Schematic Image (  )</a>
Detailed Description:	<a href="#">Allergic rhinitis affects 20 to 40 million Americans annually. Allergy symptoms, which can range fro ...</a>
Objectives:	<a href="#">Primary Objective: To examine whether omalizumab given prior to RIT followed by 12 weeks of dual oma ...</a>
Endpoints:	<a href="#">Primary Endpoint: The primary endpoint will be the average daily allergy severity score, which wil ...</a>
Gender Included:	Both
Subjects Number:	159
Study Summary:	<a href="#">Download Study Summary</a>

### Arms or Cohorts

Arm Name	Description	Population Selection Rule
ARM 1 Immunotherapy with anti-IgE	Omalizumab pre-treatment, ragweed RIT, omalizumab + ragweed IT	Randomized 1:1:1:1 to 4 treatment groups"
ARM 2 Placebo Immunotherapy with anti-IgE	Omalizumab pre-treatment, placebo RIT, omalizumab + placebo IT	Randomized 1:1:1:1 to 4 treatment groups"
ARM 3 Immunotherapy with placebo anti-IgE	Placebo omalizumab pre-treatment, ragweed RIT, placebo omalizumab + ragweed IT	Randomized 1:1:1:1 to 4 treatment groups"
ARM 4 Placebo Immunotherapy with placebo anti-IgE	Placebo omalizumab pre-treatment, placebo RIT, placebo omalizumab + placebo IT	Randomized 1:1:1:1 to 4 treatment groups"

### Publications

PubMed ID	Year	Title	Journal	Authors
<a href="#">16387596</a>	2006	Omalizumab pretreatment decreases acute reactions after rush immunotherapy for ragweed-induced seasonal allergic rhinitis	The Journal of Allergy and Clinical Immunology	Casale TB, Busse WW, Kline JN, Ballas ZK, Moss MH, Townley RG, Mokhtarani M, Seyfert-Margolis V, Asare A, Bateman K, Deniz Y; Immune Tolerance Network Group.
<a href="#">17631952</a>	2007	Combination treatment with omalizumab and rush immunotherapy for ragweed-induced allergic rhinitis: Inhibition of IgE-facilitated allergen binding	The Journal of Allergy and Clinical Immunology	Klunker S, Saggari LR, Seyfert-Margolis V, Asare AL, Casale TB, Durham SR, Francis JN

### Inclusion Exclusion Criteria

Category	Criterion
INCLUSION	A positive skin test by prick method to ragweed pollen at Visit -01. A positive skin prick test will be defined as a ragweed pollen-induced wheal >3 mm larger in diameter than diluent control (measurements will be made 15-20 minutes after application).
INCLUSION	History of seasonal allergic rhinitis for at least 2 years with symptoms during the ragweed pollen season requiring



## 2. Study Demographics

SDY1

Collapse All: [icon] Expand All: [icon]

Study Summary

Demographics

Study Demographics

Page 1 of 1 | Export | Displaying 1 - 21 of 21

Demographic Statistic	ARM 1	ARM 2	ARM 3	ARM 4
Min Age		18 years	18 years	18 years
Mean Age		32 years	32 years	34 years
Max Age		49 years	49 years	49 years
Gender - Male (Count)			20	18
Gender - Female (Count)			20	22
Gender - Male (Percentage)	58.41 %		50.00 %	45.00 %

ARM 1 = Immunotherapy  
ARM 2 = Placebo Immunotherapy  
ARM 3 = Immunotherapy  
ARM 4 = Placebo Immunotherapy

Demographic Statistic

- Sort Ascending
- Sort Descending
- Columns
  - Demographic Statistic
  - Statistic
  - Units
  - ARM 1
  - ARM 2
  - ARM 3
  - ARM 4

Demographic statistic is shown for the different study arms and can be sorted in ascending or descending manner. The results can be exported for further analysis. The sorting and filtering can be done in all the blocks.



### 3. Study Assessments

**Assessments**

**Assessments Summary**

Page 1 of 1 | Export | Displaying 1 - 4 of 4

Assessment Name Reported	Totals By	ARM 1	ARM 2	ARM 3	ARM 4
Participant Diary Card Record	Assessment Components	66,948	73,045	65,604	64,078
Participant Diary Card Record	Subjects	36	38	37	38
Vital Signs	Assessment Components	7,693	7,962	7,946	7,990
Vital Signs	Subjects	39	40	40	40

ARM 1 = Immunotherapy with anti-IgE  
 ARM 2 = Placebo Immunotherapy with anti-IgE  
 ARM 3 = Immunotherapy with placebo anti-IgE  
 ARM 4 = Placebo Immunotherapy with placebo anti-IgE

The assessment summary shows the counts of arms in the assessments. The component list shows the names of the components in the arm without a reference to the arms.

**Assesment Component List**

Export - exports the current table to Excel or PDF  
 All Study Assessments - opens a new window with all assessment values for this study  
 Component links - opens a new window with all assessment values for that component

Page 1 of 1 | Export | All Study Assessments | Displaying 1 - 16 of 16

Assessment	Assessment Component
Participant Diary Card Record	<a href="#">Itchy Nose Throat Severity Score</a>
Participant Diary Card Record	<a href="#">Itchy Watery Eyes Severity Score</a>
Participant Diary Card Record	<a href="#">Nasal Congestion Severity Score</a>
Participant Diary Card Record	<a href="#">Number of Rescue Medication Taken</a>
Participant Diary Card Record	<a href="#">Runny Nose Score</a>
Participant Diary Card Record	<a href="#">Sneezing Severity Score</a>



## 3.2 Study Assessments accessed from Advanced Search

Search / Research Advanced Search  Selected Projects Change Projects

### Using Advanced Search:

- ▶ Choose the type of data you want to find (e.g. subjects, samples) from the drop down list.
- ▶ Choose a folder to refine your search. It can be the same or different data type from the data you want to find.
- ▶ Click on the data feature(s) you want to search.
- ▶ Enter search terms for one or more features.

**Advanced Search - Selected Return Data Type : Subject**

Please Choose Data Type to Find: **Subject** Results per page: 25 Submit Cancel

Advanced Search Attribute Tree

- Study
  - Study Accession Number
  - Study Title
  - Study Description
  - Study Objectives
  - Research Project
  - Study Type
  - Arm Or Cohort
  - Accession Number
  - Name
  - Description
- Subject
- Biological Sample
- Experiment
- Experiment Sample
- Reagent
- Protocol
- Uploaded File
- ELISPOT Results
- ELISA or MBAA Results
- FCM Analyzed Results

Subject - Clinical Assessments

From the drop-down list you can select Subject-Clinical Assessments and submit to view available assessments in your project in ImmPort



## 3.1 Study Assessments results using Advanced Search

Advanced Search - Selected Return Data Type : **Subject - Clinical Assessments**

Tip: You can select a range of rows by holding down the 'Shift' key and then clicking the first and last rows you wish to select. This works best if you do not click on the check boxes. [More tips.](#)

Use the Display Column button to customize the table display

Use **Display Columns** to hide or show columns by clicking on the column header and dragging to a new location.

Page 1 of 12911 | Export | Displaying 1 - 25 of 322767

Assessment	Subject Acc N	Study Title	Arm	Species	Race	Gender	Subject Phenc	Name	Component Name	Clinically Significant
AC10000	SUB73399	Allergen immu	Placebo Immur	Homo sapiens	White	Female	Ragweed-indt	Participant Dia	Sneezing Severity Sc	N
AC100000	SUB73454	Allergen immu	Immunotherap	Homo sapiens	White	Female	Ragweed-indt	Participant Dia	Itchy Nose Throat Sev	N
AC100001	SUB73454	Allergen immu	Immunotherap	Homo sapiens	White	Female	Ragweed-indt	Participant Dia	Itchy Nose Throat Sev	N
AC100002	SUB73454	Allergen immu	Immunotherap	Homo sapiens	White	Female	Ragweed-indt	Participant Dia	Itchy Nose Throat Sev	N
AC100003	SUB73454	Allergen immu	Immunotherap	Homo sapiens	White	Female	Ragweed-indt	Participant Dia	Itchy Nose Throat Sev	N
AC100004	SUB73454	Allergen immu	Immunotherap	Homo sapiens	White	Female	Ragweed-indt	Participant Dia	Itchy Nose Throat Sev	N
AC100005	SUB73454	Allergen immu	Immunotherap	Homo sapiens	White	Female	Ragweed-indt	Participant Dia	Itchy Nose Throat Sev	N
AC100006	SUB73454	Allergen immu	Immunotherap	Homo sapiens	White	Female	Ragweed-indt	Participant Dia	Itchy Nose Throat Sev	N
AC100007	SUB73454	Allergen immu	Immunotherap	Homo sapiens	White	Female	Ragweed-indt	Participant Dia	Itchy Nose Throat Sev	N
AC100008	SUB73454	Allergen immu	Immunotherap	Homo sapiens	White	Female	Ragweed-indt	Participant Dia	Itchy Nose Throat Sev	N

List of all the Clinical Assessments available in ImmPort

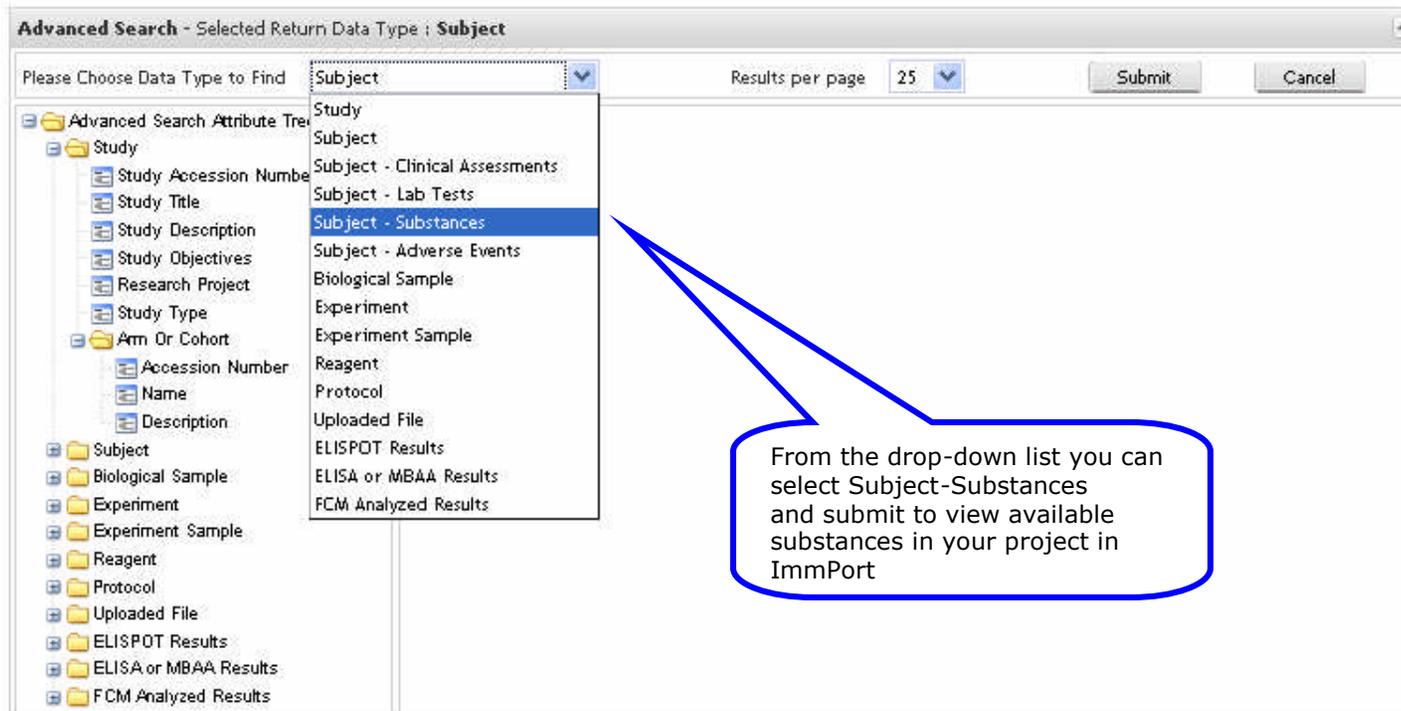


## 4.1 Subject- Substances accessed from Advanced Search

Search / Research Advanced Search  Selected Projects Change Projects

### Using Advanced Search:

- ▶ Choose the type of data you want to find (e.g. subjects, samples) from the drop-down list.
- ▶ Choose a folder to refine your search. It can be the same or different data type from the data you want to find.
- ▶ Click on the data feature(s) you want to search.
- ▶ Enter search terms for one or more features.



**Advanced Search - Selected Return Data Type : Subject**

Please Choose Data Type to Find: **Subject** Results per page: 25 Submit Cancel

**Advanced Search Attribute Tree**

- Study
  - Study Accession Number
  - Study Title
  - Study Description
  - Study Objectives
  - Research Project
  - Study Type
  - Arm Or Cohort
    - Accession Number
    - Name
    - Description
- Subject
- Biological Sample
- Experiment
- Experiment Sample
- Reagent
- Protocol
- Uploaded File
- ELISPOT Results
- ELISA or MBAA Results
- FCM Analyzed Results

**Drop-down List:**

- Study
- Subject
- Subject - Clinical Assessments
- Subject - Lab Tests
- Subject - Substances**
- Subject - Adverse Events
- Biological Sample
- Experiment
- Experiment Sample
- Reagent
- Protocol
- Uploaded File
- ELISPOT Results
- ELISA or MBAA Results
- FCM Analyzed Results

From the drop-down list you can select Subject-Substances and submit to view available substances in your project in ImmPort



## 4 Subject- Substances results using Advanced Search

To modify your search, please expand the search box -

Advanced Search - Selected Return Data Type : **Subject - Substances**

Tip: You can select a range of rows by holding down the 'Shift' key and then clicking the first and last rows you wish to select. This works best if you do not click on the check boxes. [More tips.](#)

Use the Display Column button to customize the table display

Page 1 of 54

Displaying 1 - 25 of 1336

Substar	Subject	Study	Imm	Spe	Sex	Ragwee	FEXOF	ALLEGI	Concor	SAR	Dose	U	Dose F	Route c	Is Ongc	Start D	End Da
SM407	SUB73	Allerger	Immunc	Homo	Asian	Male	Ragwee	FEXOF	ALLEGI	Concor	SAR	60	MG	PRN	ORAL		0
SM408	SUB73	Allerger	Immunc	Homo	Asian	Male	Ragwee	FEXOF	ALLEGI	Concor	SAR	180	MG	QD	ORAL	N	62 63
SM408	SUB73	Allerger	Immunc	Homo	Asian	Male	Ragwee	EXCED	EXCED	Concor	HA	1	TAB	PRN	ORAL	N	67 67
SM408	SUB73	Allerger	Immunc	Homo	Asian	Male	Ragwee	EXCED	EXCED	Concor	HA	2	TABS	PRN	ORAL	N	131 131
SM408	SUB73	Allerger	Immunc	Homo	Asian	Male	Ragwee	CYCLC	FLEXEF	Concor	RT, AR	10	MG	QD	ORAL	N	529 561
SM408	SUB73	Allerger	Immunc	Homo	Asian	Male	Ragwee	CELEC	CELEB	Concor	RT, AR	200	MG	QD	ORAL	N	530 554
SM408	SUB73	Allerger	Placebc	Homo	White	Female	Ragwee	PAROX	PAXIL	Concor	ANXIET	20	MG	QD	ORAL		
SM408	SUB73	Allerger	Placebc	Homo	White	Female	Ragwee	FEXOF	ALLEGI	Concor	SAR	60	MG	PRN	ORAL		54
SM408	SUB73	Allerger	Placebc	Homo	White	Female	Ragwee	FEXOF	ALLEGI	Concor	SAR	180	MG	QD	ORAL	N	62 63
SM408	SUB73	Allerger	Placebc	Homo	White	Female	Ragwee	SALBU	ALBUTI	Concor	SOB	180	MCG	PRN	INHALE	N	387 387
SM408	SUB73	Allerger	Placebc	Homo	White	Female	Ragwee	SALBU	ALBUTI	Concor	CHEST	180	MCG	PRN	INHALE	N	387 387
SM409	SUB73	Allerger	Placebc	Homo	White	Female	Ragwee	FLINTS	FLINTS	Concor	SUPPL	1	TAB	QD	ORAL		
SM409	SUB73	Allerger	Placebc	Homo	White	Female	Ragwee	NITRO	MACRO	Concor	UTI	100	MG	QD	ORAL	N	80 96

List of all the Clinical Substances available in ImmPort



## 5.1 Subject - Adverse Events accessed from Advanced Search

Search / Research Advanced Search  Selected Projects Change Projects

### Using Advanced Search:

- ▶ Choose the type of data you want to find (e.g. subjects, samples) from the drop down list.
- ▶ Choose a folder to refine your search. It can be the same or different data type from the data you want to find.
- ▶ Click on the data feature(s) you want to search.
- ▶ Enter search terms for one or more features.

**Advanced Search - Selected Return Data Type : Subject**

Please Choose Data Type to Find: **Subject** Results per page: 25 Submit Cancel

**Advanced Search Attribute Tree**

- Study
  - Study Accession Number
  - Study Title
  - Study Description
  - Study Objectives
  - Research Project
  - Study Type
- Arm Or Cohort
  - Accession Number
  - Name
  - Description
- Subject
  - Study
  - Subject
  - Subject - Clinical Assessments
  - Subject - Lab Tests
  - Subject - Substances
  - Subject - Adverse Events**
  - Biological Sample
  - Experiment
  - Experiment Sample
  - Reagent
  - Protocol
  - Uploaded File
  - ELISPOT Results
  - ELISA or MBAA Results
  - FCM Analyzed Results
- Biological Sample
- Experiment
- Experiment Sample
- Reagent
- Protocol
- Uploaded File
- ELISPOT Results
- ELISA or MBAA Results
- FCM Analyzed Results

From the drop-down list you can select Subject-Adverse Events and submit to view available adverse events in your project in ImmPort



## 5 Subject - Adverse Events results using Advanced Search

**Advanced Search - Selected Return Data Type : Subject - Adverse Events**

Tip: You can select a range of rows by holding down the left mouse button, clicking the first and last rows you wish to select. This works best if you do not click on the check boxes. [More tips.](#)

Use **Display Columns** to hide or show columns or click on the arrow in the column header. Columns may also be moved by clicking on the column header and dragging to a new location.

Page 1 of 75 | Export | Displaying 1 - 25 of 1853

Adverse Eve	AE Name Ref	Subject Acc	Study Title	Arm	Race	Gender	Subject Phen	Severity	Outcome	Start Study D	End Study D	Is Serious Ev
AE1	HEADACHE	SUB73366	Allergen imm	Immunothera	Asian	Male	Ragweed-inc	Mild	Resolved	67	67	N
AE10	DECREASED	SUB73367	Allergen imm	Placebo Imm	White	Female	Ragweed-inc	Moderate	Resolved	367	367	N
AE100	THRUSH	SUB73378	Allergen imm	Immunothera	White	Female	Ragweed-inc	Moderate	Resolved	155	158	N
AE1000	NASAL STUF	SUB73456	Allergen imm	Immunothera	White	Female	Ragweed-inc	Mild	Resolved	82	86	N
AE1001	PRURITIS LEF	SUB73456	Allergen imm	Immunothera	White	Female	Ragweed-inc	Mild	Resolved	111	126	N
AE1002	SWELLING A	SUB73456	Allergen imm	Immunothera	White	Female	Ragweed-inc	Mild	Resolved	118	118	N
AE1003	LATE REACT	SUB73456	Allergen imm	Immunothera	White	Female	Ragweed-inc	Mild	Resolved	124	124	N
AE1004	ERYTHEMA /	SUB73456	Allergen imm	Immunothera	White	Female	Ragweed-inc	Mild	Resolved	132	133	N
AE1005	ERYTHEMA \	SUB73456	Allergen imm	Immunothera	White	Female	Ragweed-inc	Mild	Resolved	146	146	N
AE1006	SULFA ALLE	SUB73456	Allergen imm	Immunothera	White	Female	Ragweed-inc	Mild	Resolved	261	261	N
AE1007	SINUSITIS	SUB73456	Allergen imm	Immunothera	White	Female	Ragweed-inc	Mild	Resolved	261	271	N
AE1008	BACK MUSCI	SUB73456	Allergen imm	Immunothera	White	Female	Ragweed-inc	Mild	Resolved	261	271	N
AE1009	DERMATOFIE	SUB73456	Allergen imm	Immunothera	White	Female	Ragweed-inc	Mild	Resolved	273	273	N

Use the Display Column button to customize the table display

List of all the Adverse Events available in ImmPort



## 6.1 Subject – Lab Tests results accessed from Advanced Search

Search / Research Advanced Search  Selected Projects Change Projects

### Using Advanced Search:

- ▶ Choose the type of data you want to find (e.g. subjects, samples) from the drop down list.
- ▶ Choose a folder to refine your search. It can be the same or different data type from the data you want to find.
- ▶ Click on the data feature(s) you want to search.
- ▶ Enter search terms for one or more features.

**Advanced Search - Selected Return Data Type : Subject**

Please Choose Data Type to Find: Subject

Results per page: 25

Submit Cancel

Advanced Search Attribute Tree

- Study
- Study Accession Number
- Study Title
- Study Description
- Study Objectives
- Research Project
- Study Type
- Arm Or Cohort
  - Accession Number
  - Name
  - Description
- Subject
- Biological Sample
- Experiment
- Experiment Sample
- Reagent
- Protocol
- Uploaded File
- ELISPOT Results
- ELISA or MBAA Results
- FCM Analyzed Results

Subject

- Study
- Subject
- Subject - Clinical Assessments
- Subject - Lab Tests
- Subject - Substances
- Subject - Adverse Events
- Biological Sample
- Experiment
- Experiment Sample
- Reagent
- Protocol
- Uploaded File
- ELISPOT Results
- ELISA or MBAA Results
- FCM Analyzed Results

From the drop-down list you can select Subject-Lab-Tests and submit to view available lab tests in your project in ImmPort



## 6 Subject – Lab Tests results in using Advanced Search

Advanced Search - Selected Return Data Type : **Subject - Lab Tests**

Use **Display Columns** to hide or show columns in the table by clicking on the column header and dragging to a new location.

Use the Display Column button to customize the table display

Page 1 of 708 | Export | Displaying 1 - 25 of 17682

Lab Test Ac	Subject Acc	Study Title	Arm	Species	Study Day	Race	Gender	Subject Pher	Lab Test Panel Nam	Test Name Reporte	Result Value Report
LT1	SUB73493	Allergen imr	Placebo Imm	Homo sapien	121	White	Female	Ragweed-in	Hematology	WBC	8.5 10*3 cells/uL
LT10	SUB73493	Allergen imr	Placebo Imm	Homo sapien	121	White	Female	Ragweed-in	Hematology	EOSINOPHILS	1 %
LT100	SUB73384	Allergen imr	Immunothera	Homo sapien	103	White	Male	Ragweed-in	Hematology	SEGMENTED NEUTF	53 %
LT1000	SUB73447	Allergen imr	Placebo Imm	Homo sapien	113	White	Female	Ragweed-in	Hematology	BASOPHILS	0 %
LT10000	SUB73465	Allergen imr	Immunothera	Homo sapien	132	White	Female	Ragweed-in	Hematology	LYMPHOCYTES	26 %
LT10001	SUB73465	Allergen imr	Immunothera	Homo sapien	132	White	Female	Ragweed-in	Hematology	PLATELET COUNT	242 10*3 cells/uL
LT10002	SUB73465	Allergen imr	Immunothera	Homo sapien	132	White	Female	Ragweed-in	Hematology	HEMOGLOBIN	12.9 g/dL
LT10003	SUB73465	Allergen imr	Immunothera	Homo sapien	132	White	Female	Ragweed-in	Hematology	MCV	85 um*3
LT10004	SUB73465	Allergen imr	Immunothera	Homo sapien	132	White	Female	Ragweed-in	Hematology	MONOCYTES	6 %
LT10005	SUB73505	Allergen imr	Immunothera	Homo sapien	140	White	Male	Ragweed-in	Hematology	WBC	5.9 10*3 cells/uL
LT10006	SUB73505	Allergen imr	Immunothera	Homo sapien	140	White	Male	Ragweed-in	Hematology	MCH	31 %
LT10007	SUB73505	Allergen imr	Immunothera	Homo sapien	140	White	Male	Ragweed-in	Hematology	MCHC	35 %
LT10008	SUB73505	Allergen imr	Immunothera	Homo sapien	140	White	Male	Ragweed-in	Hematology	BASOPHILS	1.1 %

List of all the Lab Tests available in ImmPort



**IMMPORT**  
BIOINFORMATICS FOR THE FUTURE OF IMMUNOLOGY

# Research Advanced Search

The arrow near the schematic can be expanded to show the columns the user chooses to be displayed

The screenshot displays the IMMPORT Research Advanced Search interface. On the left, there is a tree view for 'Advanced Search Attribute Tree' with 'Study' selected. The main search area shows 'Study Title' with the search term 'Allergen immunotherapy Co-administered wi' and 'Exact Match' selected. A 'Remove' button is visible next to the search term. Below the search area, a table of results is shown with columns: Title, Principal Investigator, Objectives, Schematic, Start Date, End Date, Study Type, Subjects Number, and Assay Results. The first row is highlighted, showing 'Allergen immunotherapy Co-administered with Omalizumab' by Thomas Casale. A blue box highlights the 'Schematic' column header with the text 'Click for detailed information on the project schematic'. An arrow points from this box to a detailed view window titled 'Study Names' which lists various study titles, including 'Allergen immunotherapy Co-administered with Omalizumab'. A second arrow points from the 'Schematic' column of the first row in the table to the 'Study Names' window.

Title	Principal Investigator	Objectives	Schematic	Start Date	End Date	Study Type	Subjects Number	Assay Results
Allergen immunotherapy Co-administered with Omalizumab	Thomas Casale	<b>Primary Objective:</b> <a href="#">To examine whether omalizumab given prior to RIT followed by 12...</a>		2003-04-01		Interventional	159	<a href="#">FCM ELISA</a>
Role of Antimicrobial Peptides in Host Defense Against Vaccinia Virus	Donald Leung	<b>Primary Objectives:</b> 1. <a href="#">To compare the levels of vaccinia virus gene expression in vaccinia ...</a>		2005-06-01		Observational	286	
Genetics of Atopic Dermatitis-Eczema Herpeticum	Lisa Beck, Kathleen Barnes	<b>Primary Objective:</b> 1. <a href="#">To identify candidate genes relevant in AD subjects with a history ...</a>		2006-05-11		Observational		



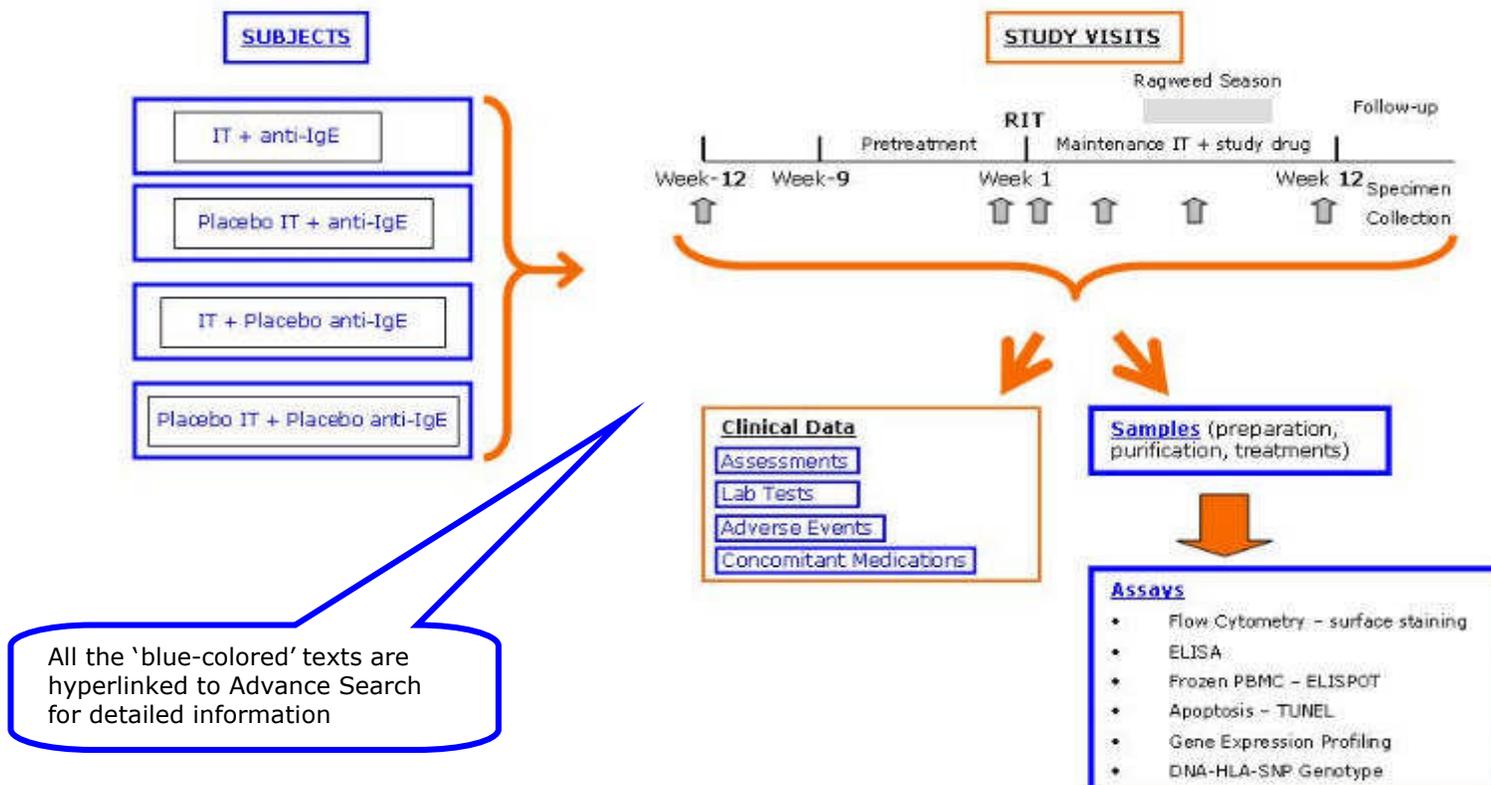
The schematic is an overview of the project indicating the subjects used, the different clinical data obtained, the samples used as well as the assays and results.

**Title:** Efficacy and Safety Evaluation of Allergen Immunotherapy Co-Administered with Omalizumab, an anti-IgE Monoclonal Antibody.

**PI:** Thomas B. Casale, Creighton University School of Medicine.

**Primary Study Objective:** To examine whether omalizumab given prior to rush immunotherapy (RIT) followed by 12 weeks of dual omalizumab and IT is more effective than RIT followed by IT alone in preventing the symptoms of ragweed-induced SAR.

**Secondary Study Objective:** To examine whether omalizumab given prior to RIT followed by 12 weeks of dual omalizumab and IT is safe and more effective than omalizumab alone or placebo in preventing the symptoms of ragweed-induced SAR; to assess the immunologic mechanisms associated with the therapies; and to assess whether clinical tolerance has been achieved after discontinuation of the therapies.





From the Advance Search attribute tree, select Subject and the subject characteristics will be displayed. This can be submitted to view.

Search / Research Advanced Search  Selected Projects Change Projects

### Using Advanced Search:

- ▶ Choose the type of data you want to find (e.g. subjects, samples) from the drop down list.
- ▶ Choose a folder to refine your search. It can be the same or different data type from the data you want to find.
- ▶ Click on the data feature(s) you want to search.
- ▶ Enter search terms for one or more features.

**Advanced Search - Selected Return Data Type : Biological Sample**

Please Choose Data Type to Find: **Biological Sample** Results per page: 25 Submit Cancel

Exact Match  Remove

**Advanced Search Attribute Tree**

- Advanced Search Attribute Tree
  - Study
  - Subject
  - Biological Sample
    - Saved List
  - Identifiers and Types
  - Sample Amount and Purification
  - Audit Information
  - Treatment
  - Protocol
  - Experiment
  - Experiment Sample
  - Reagent
  - Protocol
  - Uploaded File
  - ELISPOT Results
  - ELISA or MBAA Results
  - FCM Analyzed Results

Dropdown List:

- Study
- Subject
- Subject - Clinical Assessments
- Subject - Lab Tests
- Subject - Substances
- Subject - Adverse Events
- Biological Sample**
- Experiment
- Experiment Sample
- Reagent
- Protocol
- Uploaded File
- ELISPOT Results
- ELISA or MBAA Results
- FCM Analyzed Results

From the drop-down list you can select Biological Sample and submit to view available biological samples in your project in ImmPort



# Research Advanced Search

Summary of the biological sample information within the selected project in ImmPort will be displayed as shown below.

**Advanced Search - Selected Return Data Type : Biological Sample**

Selected items: BS119963, BS119964, BS119965

Use **Display Columns** to hide or show columns or click on the arrow in the column header. Columns may also be moved by clicking on the column header and dragging to a new location.

Use the **Display Column** button to customize the table display

Page 1 of 169 | View Details | Save Items | Save All | Export | Displaying 1 - 25 of 4211

<input type="checkbox"/>	Accession ID	User-Defined ID	Study Day	Subject Pher	Species	Type	Sub Type	Study Title	Arm	Submit Date
<input checked="" type="checkbox"/>	BS119963	ITN019AD_001_001_0_None	-7	Ragweed-in	Homo sap	Body_Fluid	Whole Blo	<a href="#">Allergen immunotherapy</a> <a href="#">Co-administered with Omalizumab</a>	Immunotherapy with anti-IgE	2009-06-11
<input checked="" type="checkbox"/>	BS119964	ITN019AD_001_002_0_None	-7	Ragweed-in	Homo sap	Body_Fluid	Whole Blo	<a href="#">Allergen immunotherapy</a> <a href="#">Co-administered with Omalizumab</a>	Placebo Immunotherapy with anti-IgE	2009-06-11
<input checked="" type="checkbox"/>	BS119965	ITN019AD_001_003_0_None	-8	Ragweed-in	Homo sap	Body_Fluid	Whole Blo	<a href="#">Allergen immunotherapy</a> <a href="#">Co-administered with Omalizumab</a>	Placebo Immunotherapy with anti-IgE	2009-06-11
<input type="checkbox"/>	BS119966	ITN019AD_001_004_0_None	-7	Ragweed-in	Homo sap	Body_Fluid	Whole Blo	<a href="#">Allergen immunotherapy</a> <a href="#">Co-administered with Omalizumab</a>	Placebo Immunotherapy with placebo anti-IgE	2009-06-11
<input type="checkbox"/>	BS119967	ITN019AD_001_005_0_None	-7	Ragweed-in	Homo sap	Body_Fluid	Whole Blo	<a href="#">Allergen immunotherapy</a>	Immunotherapy	2009-06-11

Select biological sample IDs for **Detailed Viewing**, saving or for **Export**



From the Advance Search attribute tree, select Experiment and the Experiment information will be displayed. This can be submitted to view details of the Experiments in ImmPort within the Research Project the user is associated.



### Using Advanced Search:

- ▶ Choose the type of data you want to find (e.g. subjects, samples) from the drop down list.
- ▶ Choose a folder to refine your search. It can be the same or different data type from the data you want to find.
- ▶ Click on the data feature(s) you want to search.
- ▶ Enter search terms for one or more features.

**Advanced Search** - Selected Return Data Type : **Experiment**

Please Choose Data Type to Find: Experiment

Results per page: 25

Exact Match SDY1 Remove

Submit Cancel

Advanced Search Attribute Tree:

- Advanced Search Attribute Tree
  - Study
  - Subject
  - Biological Sample
  - Experiment
    - Saved List
  - Identifiers and Descriptions
  - Measurement Information
  - Audit Information
  - Protocol
  - Experiment Sample
  - Reagent
  - Protocol
  - Uploaded File
  - ELISPOT Results
  - ELISA or MBAA Results
  - FCM Analyzed Results



Summary of the experiment information in ImmPort will be displayed as shown below.

**Research Data / Research Advanced Search**

**Selected Projects** **Change Projects**

[Home](#) | [Studies](#) | [Experiments](#) | [Subjects](#) | [Biological Samples](#) | [Protocols](#) | [Reagents](#) | [Experiment Sample](#) | [Uploaded Files](#) | [Share Research Data](#) | [Download Project Summary](#) | [Advanced Search](#)

**Using Advanced Search:**

- ▶ Choose the type of data you want to find (e.g. subjects, samples) from the drop down list.
- ▶ Choose a folder to refine your search. It can be the same or different data type from the data you want to find.
- ▶ Click on the data feature(s) you want to search.
- ▶ Enter search terms for one or more features.

To modify your search, please expand the search box →

**Advanced Search** - Selected Return Data Type

Tip: You can select a range of rows by holding down [tips](#). [More](#) if you do not click on the check boxes.

Use **Display Columns** to hide or show columns or click on the arrow in the column header. Columns may also be moved by clicking on the column header and dragging to a new location.

<input type="checkbox"/>	Exp Access	User Def Id	Exp Title	Exp Type	Exp Meas Te	Num of Exp Sar	Num of Bio Sar	Num of Subject	Project Title	Study Title
<input type="checkbox"/>	EXP3727	RPCIFLOW_ITN019,	RPCIFLOW_ITN019,	Cellular_Quantificat	FCM	25538	1718	158	ITN019AD - Clinical	<a href="#">Allergen immunotherapy Co-administered with Omalizumab</a>
<input type="checkbox"/>	EXP3903	ELISA/DACI_ITN	Antigen Spec	ELISA		4376	981	135	ITN019AD - Clinical	<a href="#">Allergen immunotherapy Co-administered with Omalizumab</a>

Use the Display Column button to customize the table display

Select experiment ids for **Detailed Viewing**, saving or for **Export**



From the Advance Search attribute tree, select Experiment Sample and the experiment sample information will be displayed. This can be submitted to view details of the experiment samples in ImmPort within the Research Project the user is associated.

Search / Research Advanced Search  Selected Projects Change Projects

### Using Advanced Search:

- ▶ Choose the type of data you want to find (e.g. subjects, samples) from the drop down list.
- ▶ Choose a folder to refine your search. It can be the same or different data type from the data you want to find.
- ▶ Click on the data feature(s) you want to search.
- ▶ Enter search terms for one or more features.

**Advanced Search - Selected Return Data Type: Experiment Sample**

Please Choose Data Type to Find: Experiment Sample

Results per page: 25

Submit Cancel

Exact Match SDY1 Remove

From the drop-down list you can select Experiment Samples and submit to view available experiment samples in your project in ImmPort



Summary of the experiment sample information in ImmPort will be displayed as shown below.

**Advanced Search - Selected Return Data**

Tip: You can select a range of rows by holding down the shift key. This works best if you do not click on the check boxes. [More tips.](#)

Selected items: ES103431, ES103432, ES103433

Use **Display Columns** to hide or show columns or click on the arrow in the column header. Columns may also be moved by clicking on the column header and dragging to a new location.

Page 1 of 754 | View Details | Save Items | Save All | Export | Displaying 1 - 25 of 18850

<input type="checkbox"/>	Exp Sample Acc	Exp Sample User-Def ID	Exp Acc	Exp User-Def ID	Data Format	Project Title
<input type="checkbox"/>	ES103428	ITN019AD_001_001_18_21121E	EXP3727	RPCIFLOW_ITN019AD	Flow_Cytometry	ITN019AD - Clinical Trial
<input type="checkbox"/>	ES103429	ITN019AD_001_001_18_21121E	EXP3727	RPCIFLOW_ITN019AD	Flow_Cytometry	ITN019AD - Clinical Trial
<input type="checkbox"/>	ES103430	ITN019AD_001_001_18_21121E	EXP3727	RPCIFLOW_ITN019AD	Flow_Cytometry	ITN019AD - Clinical Trial
<input checked="" type="checkbox"/>	ES103431	ITN019AD_001_001_18_21121E	EXP3727	RPCIFLOW_ITN019AD	Flow_Cytometry	ITN019AD - Clinical Trial
<input checked="" type="checkbox"/>	ES103432	ITN019AD_001_001_18_21121E	EXP3727	RPCIFLOW_ITN019AD	Flow_Cytometry	ITN019AD - Clinical Trial
<input checked="" type="checkbox"/>	ES103433	ITN019AD_001_001_18_21121E	EXP3727	RPCIFLOW_ITN019AD	Flow_Cytometry	ITN019AD - Clinical Trial
<input type="checkbox"/>	ES103434	ITN019AD_001_001_18_21121E	EXP3727	RPCIFLOW_ITN019AD	Flow_Cytometry	ITN019AD - Clinical Trial
<input type="checkbox"/>	ES103435	ITN019AD_001_001_18_21121E	EXP3727	RPCIFLOW_ITN019AD	Flow_Cytometry	ITN019AD - Clinical Trial
<input type="checkbox"/>	ES103436	ITN019AD_001_001_18_21121E	EXP3727	RPCIFLOW_ITN019AD	Flow_Cytometry	ITN019AD - Clinical Trial
<input type="checkbox"/>	ES103437	ITN019AD_001_001_18_21120E	EXP3727	RPCIFLOW_ITN019AD	Flow_Cytometry	ITN019AD - Clinical Trial
<input type="checkbox"/>	ES103438	ITN019AD_001_001_18_21121E	EXP3727	RPCIFLOW_ITN019AD	Flow_Cytometry	ITN019AD - Clinical Trial

**Use the Display Column button to customize the table display**

**Select Experiment sample IDs for Detailed Viewing, saving or for Export**



From the Advance Search attribute tree, select Reagent and the Reagent information will be displayed. This can be submitted to view details of the Reagents in ImmPort within the Research Project the user is associated.

Search / Research Advanced Search 

Selected Projects

Change Projects

### Using Advanced Search:

- ▶ Choose the type of data you want to find (e.g. subjects, samples) from the drop down list.
- ▶ Choose a folder to refine your search. It can be the same or different data type from the data you want to find.
- ▶ Click on the data feature(s) you want to search.
- ▶ Enter search terms for one or more features.

**Advanced Search - Selected Return Data Type : Reagent**

Please Choose Data Type to Find: **Reagent**

Results per page: 25

Submit Cancel

Exact Match  Remove

From the drop-down list you can select Reagent and submit to view available reagents in your project in ImmPort



Summary of the reagent information in ImmPort will be displayed as shown below.

**Advanced Search - Selected Return Data Type**

Use **Display Columns** to hide or show columns or click on the arrow in the column header. Columns may also be moved by clicking on the column header and dragging to a new location.

Use the **Display Column** button to customize the table display

Page 3 of 5 | View Details | Save Items | Save All | Export | Displaying 51 - 75 of 116

<input type="checkbox"/>	Reagent Accession	User-Defined ID	Reagent Type	Reagent Name	Reagent Description	Is Set	Reagent Manufacturer	Project Title
<input type="checkbox"/>	ESR374	Anti-IFNg-PE		Anti-IFNg-PE		N	Caltag	ADVN Varicella 3
<input type="checkbox"/>	ESR375	Anti-Perforin-FITC		Anti-Perforin-FITC		N	BD	ADVN Varicella 3
<input type="checkbox"/>	ESR376	Anti-TNFa-APC		Anti-TNFa-APC		N	Caltag	ADVN Varicella 3
<input type="checkbox"/>	ESR377	CD28 FL1-FITC/CD27		CD28 FL1-FITC/CD27		Y	ICS protocol	ADVN Varicella 3
<input type="checkbox"/>	ESR378	CD28 FL1-FITC/CD27		CD28 FL1-FITC/CD27		Y	ICS protocol	ADVN Varicella 3
<input type="checkbox"/>	ESR379	Perforin FL1-FITC/IFN		Perforin FL1-FITC/IFN		Y	ICS protocol	ADVN Varicella 3
<input type="checkbox"/>	ESR380	Perforin FL1-FITC/IFN		Perforin FL1-FITC/IFN		Y	ICS protocol	ADVN Varicella 3
<input type="checkbox"/>	ESR406	ADVN mono Anti IgG		monoclonal antibody	Highly avid monoclonal antib	N	Cell Sciences	ADVN Varicella 3
<input type="checkbox"/>	ESR407	ADVN HRP anti IgG D		horseradish peroxidase	peroxidase-conjugated anti-I	N	Cell Sciences	ADVN Varicella 3
<input type="checkbox"/>	ESR408	ADVN ABTS		substrate solution	Add the equivalents of 200 $\mu$	N	Cell Sciences	ADVN Varicella 3
<input type="checkbox"/>	ESR409	ADVN stop solu		stop solution		N	Cell Sciences	ADVN Varicella 3
<input type="checkbox"/>	ESR412	Anti-CD4-PerCP		Anti-CD4-PerCP		N	BD	ADVN Varicella 4
<input type="checkbox"/>	ESR413	Anti-CD28-FITC		Anti-CD28-FITC		N	Caltag	ADVN Varicella 4

Select reagent IDs for **Detailed Viewing**, saving or for **Export**



From the Advance Search attribute tree, select Protocol and the protocol information will be displayed. This can be submitted to view details of the protocols in ImmPort within the Research Project the user is associated.

Search / Research Advanced Search  Selected Projects Change Projects

**Using Advanced Search:**

- ▶ Choose the type of data you want to find (e.g. subjects, samples) from the drop down list.
- ▶ Choose a folder to refine your search. It can be the same or different data type from the data you want to find.
- ▶ Click on the data feature(s) you want to search.
- ▶ Enter search terms for one or more features.

**Advanced Search - Selected Return Data Type : Protocol**

Please Choose Data Type to Find: Protocol

Results per page: 25

Submit Cancel

Exact Match SDY1 Remove

Advanced Search Attribute Tree

- Study
- Subject
- Subject - Clinical Assessments
- Subject - Lab Tests
- Subject - Substances
- Subject - Adverse Events
- Biological Sample
- Experiment
- Experiment Sample
- Reagent
- Protocol
- Protocol
- Uploaded File
- ELISPOT Results
- ELISA or MBAA Results
- FCM Analyzed Results

From the drop-down list you can select Protocol and submit to view available protocols in your project in ImmPort



# ImmPort Advanced Search

Summary of the protocol information in ImmPort will be displayed as shown below.

**Advanced Search - Selected Return Data**

Use the **Display Column** button to customize the table display

Use **Display Columns** to hide or show columns or click on the arrow in the column header. Columns may also be moved by clicking on the column header and dragging to a new location.

Page 2 of 3 | View Details | Save Items | Save All | Export | Displaying 26 - 50 of 68

<input type="checkbox"/> Protocol Accession	User-Defined ID	Name	Type	Project Title
<input type="checkbox"/> PTL341	WG_scan	GT Affy array	Assay	ADVN Varicella test
<input type="checkbox"/> PTL342	HLA PBSC Protocol	PBSC Protocol	Biomaterial_Transformation	ADVN Varicella test
<input type="checkbox"/> PTL343	HLA Serum Protocol	Serum Protocol	Biomaterial_Transformation	ADVN Varicella test
<input type="checkbox"/> PTL344	Illumina BS Golden Gate Assay	Golden Gate Assay1	Assay	ADVN Varicella test
<input type="checkbox"/> PTL345	Illumina BS Smallpox Vaccination Method	Smallpox Vaccination Method1	Assay	ADVN Varicella test
<input type="checkbox"/> PTL346	Illumina SUB Golden Gate Assay	Golden Gate Assay1	Assay	ADVN Varicella test
<input type="checkbox"/> PTL347	Illumina SUB Smallpox Vaccination Method	Smallpox Vaccination Method1	Assay	ADVN Varicella test
<input type="checkbox"/> PTL348	ELISA xml Protocol	ELISA Protocol xml Information	Assay	ADVN Varicella test
<input type="checkbox"/> PTL349	ELISPOT xml Protocol	ELISPOT	Assay	ADVN Varicella test
<input type="checkbox"/> PTL350	GE xml Array Hybridization Protocol	Expression_Array	Not_Specified	ADVN Varicella test
<input type="checkbox"/> PTL351	NA xml	NA	Biomaterial_Transformation	ADVN Varicella test
<input type="checkbox"/> PTL3516	ADEH Protocol Amendment-IV	ADEH Protocol 2008July03 v5.	Data_Transformation	Atopic Dermatitis & Vac
<input type="checkbox"/> PTL3517	ADEH Protocol Amendment-II	ADEH Protocol 2005Jul29 v3.0	Data_Transformation	Atopic Dermatitis & Vac

Select protocol IDs for **Detailed Viewing**, saving or for **Export**



From the Advance Search attribute tree, select Upload File and the upload file information will be displayed. This can be submitted to view details of the upload files in ImmPort within the Research Project the user is associated.

Search / Research Advanced Search 

Selected Projects

Change Projects

### Using Advanced Search:

- ▶ Choose the type of data you want to find (e.g. subjects, samples) from the drop down list.
- ▶ Choose a folder to refine your search. It can be the same or different data type from the data you want to find.
- ▶ Click on the data feature(s) you want to search.
- ▶ Enter search terms for one or more features.

**Advanced Search - Selected Return Data Type : Uploaded File**

Please Choose Data Type to Find: **Uploaded File** (dropdown)

Results per page: 25 (dropdown)    Submit    Cancel

Exact Match (dropdown)    SDY1 (input)    Remove (button)

**Advanced Search Attribute Tree:**

- Advanced Search Attribute Tree
  - Study
  - Subject
  - Biological Sample
  - Experiment
  - Experiment Sample
  - Reagent
  - Protocol
  - Uploaded File
    - File ID
    - Is Result File
    - File Location
    - File Name
    - Data Set Category
    - Processing Id
    - Audit Information
    - ELISPOT Results
    - ELISA or MBAA Results
    - FCM Analyzed Results

**Dropdown List:**

- Study
- Subject
- Subject - Clinical Assessments
- Subject - Lab Tests
- Subject - Substances
- Subject - Adverse Events
- Biological Sample
- Experiment
- Experiment Sample
- Reagent
- Protocol
- Uploaded File**
- ELISPOT Results
- ELISA or MBAA Results
- FCM Analyzed Results

From the drop-down list you can select Uploaded Files and submit to view uploaded files into your project in ImmPort



Summary of the upload file information in ImmPort will be displayed as shown below.

Advanced Search - Selected Return Data Type

Use the Display Column button to customize the table display

Use **Display Columns** to hide or show columns or click on the arrow in the column header. Columns may also be moved by clicking on the column header and dragging to a new location.

Page 1 of 1236 | Download Results | Displaying 1 - 25 of 30882

<input type="checkbox"/>	File Name	File Size	Exp Sample /	Exp Sampl	Exp Acc	Data Form	Project Title	Subject Acc	Species	Race	Gender	Study D	Study Title	Arm
<input type="checkbox"/>	02054141.00	242048	ES93959	ITN019AD	EXP3727	Flow_Cytc	ITN019AD - C	SUB73517	Homo sapien	White	Female	273	<a href="#">Allergen immunothera</a> <a href="#">Co-administ</a> <a href="#">with</a> <a href="#">Omalizumab</a>	Placebo Immunothera with anti-IgE[ARM
<input type="checkbox"/>	02054141.00	242048	ES93959	ITN019AD	EXP3727	Flow_Cytc	ITN019AD - C	SUB73517	Homo sapien	White	Female	273	<a href="#">Allergen immunothera</a> <a href="#">Co-administ</a> <a href="#">with</a> <a href="#">Omalizumab</a>	Placebo Immunothera with anti-IgE[ARM
<input type="checkbox"/>	02054141.00	45	ES93959	ITN019AD	EXP3727	Flow_Cytc	ITN019AD - C	SUB73517	Homo sapien	White	Female	273	<a href="#">Allergen immunothera</a> <a href="#">Co-administ</a> <a href="#">with</a> <a href="#">Omalizumab</a>	Placebo Immunothera with anti-IgE[ARM
<input type="checkbox"/>	02054141.00	242048	ES93959	ITN019AD	EXP3727	Flow_Cytc	ITN019AD - C	SUB73517	Homo sapien	White	Female	273	<a href="#">Allergen immunothera</a>	Placebo Immunothera

Select uploaded file IDs to download the results



From the Advance Search attribute tree, select Elispot Results and the elispot results information will be displayed. This can be submitted to view details of the elispot results in ImmPort within the Research Project the user is associated.

Search / Research Advanced Search

Selected Projects

Change Projects

### Using Advanced Search:

- ▶ Choose the type of data you want to find (e.g. subjects, samples) from the drop down list.
- ▶ Choose a folder to refine your search. It can be the same or different data type from the data you want to find.
- ▶ Click on the data feature(s) you want to search.
- ▶ Enter search terms for one or more features.

**Advanced Search - Selected Return Data Type : ELISPOT Results**

Please Choose Data Type to Find: **ELISPOT Results**

Results per page: 25

Submit Cancel

Exact Match: SDY1 Remove

**From the drop-down list you can select ELISPOT Results and submit to view ELISPOT results in your project in ImmPort**



# ImmPort Advanced Search

Summary of the ELISPOT results information in ImmPort will be displayed as shown below.

Use the Display Column button to customize the table display

Advanced Search - Selected Return type : ELISPOT Results

Use **Display Columns** to hide or show columns or click on the arrow in the column header. Columns may also be moved by clicking on the column header and dragging to a new location.

Page 1 of 1 | Refresh | Export | Displaying 1 - 4 of 4

Analyte	Exp Sample Acc Num	Exp Sample User-De	Number of Spots per Well	Base Parent Population Va	Base Parent Population Ur	AutoDescPhrase
anti AB1-40 antibody	ES25633	ELISPOT ES R00010	0	500000	PBMC	0 anti AB1-40 antibody Se
IL-2	ES25634	POT ES R00040	0	500000	PBMC	0 IL-2 Secreting cells per
IL-4	ES25635	POT ES R00021	63	500000	PBMC	63 IL-4 Secreting cells per
IL-3	ES25636	SPOT ES R00050	20	500000	PBMC	20 Secreting cells per 5.0

Export ELISPOT results for further analysis



From the Advance Search attribute tree, select ELISA or MBAA and the ELISA or MBAA information will be displayed. This can be submitted to view details of the ELISA or MBAA in ImmPort within the Research Project the user is associated.

Search / Research Advanced Search 

Selected Projects

Change Projects

### Using Advanced Search:

- ▶ Choose the type of data you want to find (e.g. subjects, samples) from the drop down list.
- ▶ Choose a folder to refine your search. It can be the same or different data type from the data you want to find.
- ▶ Click on the data feature(s) you want to search.
- ▶ Enter search terms for one or more features.

**Advanced Search** - Selected Return Data Type : **ELISA or MBAA Results**

Please Choose Data Type to Find: **ELISA or MBAA Results** Results per page: 25 Submit Cancel

Exact Match **SDY1** Remove

From the drop-down list you can select ELISA or MBAA Results and submit to view ELISA or MBAA results in your project in ImmPort



# Research Advanced Search

Summary of the ELISA or MBAA results information in ImmPort will be displayed as shown below.

Advanced Search - Selected Return Data Table

Use the Display Column button to customize the table display

Use **Display Columns** to hide or show columns or click on the arrow in the column header. Columns may also be moved by clicking on the column header and dragging to a new location.

Page 1 of 176 | Export | Displaying 1 - 25 of 4381

Analyte	Exp Sample Acc Num	Exp Sample User-De	Calculated Concentration	Calculated Concentration U	Parent Specimen	Auto Desc Phrase
IgG-a Amb a	ES112883	ITN019 AD_001_001_	232	ng/ml	Serum	232 IgG-a Amb a Secretin
IgG-a Ragweed	ES112884	ITN019 AD_001_001_	3.6	mgA/L	Serum	3.6 IgG-a Ragweed Secre
IgG1 a Amb a1	ES112885	ITN019 AD_001_001_	38	AU/ml	Serum	38 IgG1 a Amb a1 Secretir
IgG4 a Amb a1	ES112886	ITN019 AD_001_001_	10	AU/ml	Serum	10 IgG4 a Amb a1 Secretir
IgM a Amb a1	ES112887	ITN019 AD_001_001_	25	ng/ml(equiv)	Serum	25 IgM a Amb a1 Secretin
IgG-a Amb a	ES112888	ITN019 AD_001_001_	1870	ng/ml	Serum	1870 IgG-a Amb a Secreti
IgG-a Ragweed	ES112889	ITN019 AD_001_001_	6.9	mgA/L	Serum	6.9 IgG-a Ragweed Secre
IgG1 a Amb a1	ES112890	ITN019 AD_001_001_	225	AU/ml	Serum	225 IgG1 a Amb a1 Secret
IgG4 a Amb a1	ES112891	ITN019 AD_001_001_	10	AU/ml	Serum	10 IgG4 a Amb a1 Secretir
IgM a Amb a1	ES112892	ITN019 AD_001_001_	25	ng/ml(equiv)	Serum	25 IgM a Amb a1 Secretin
IgG-a Ragweed	ES112893	ITN019 AD_001_001_	1231	ng/ml	Serum	1231 IgG-a Ragweed Sec
IgG-a Amb a	ES112894	ITN019 AD_001_001_	2730	ng/ml	Serum	2730 IgG-a Amb a Secreti
IgG-a Ragweed	ES112895	ITN019 AD_001_001_	9.8	mgA/L	Serum	9.8 IgG-a Ragweed Secre

Export ELISA or MBAA results for further analysis



# Research Advanced Search

From the Advance Search attribute tree, select FCM Analyzed Results and the FCM analyzed results information will be displayed. This can be submitted to view details of the FCM analyzed results in ImmPort within the Research Project the user is associated.

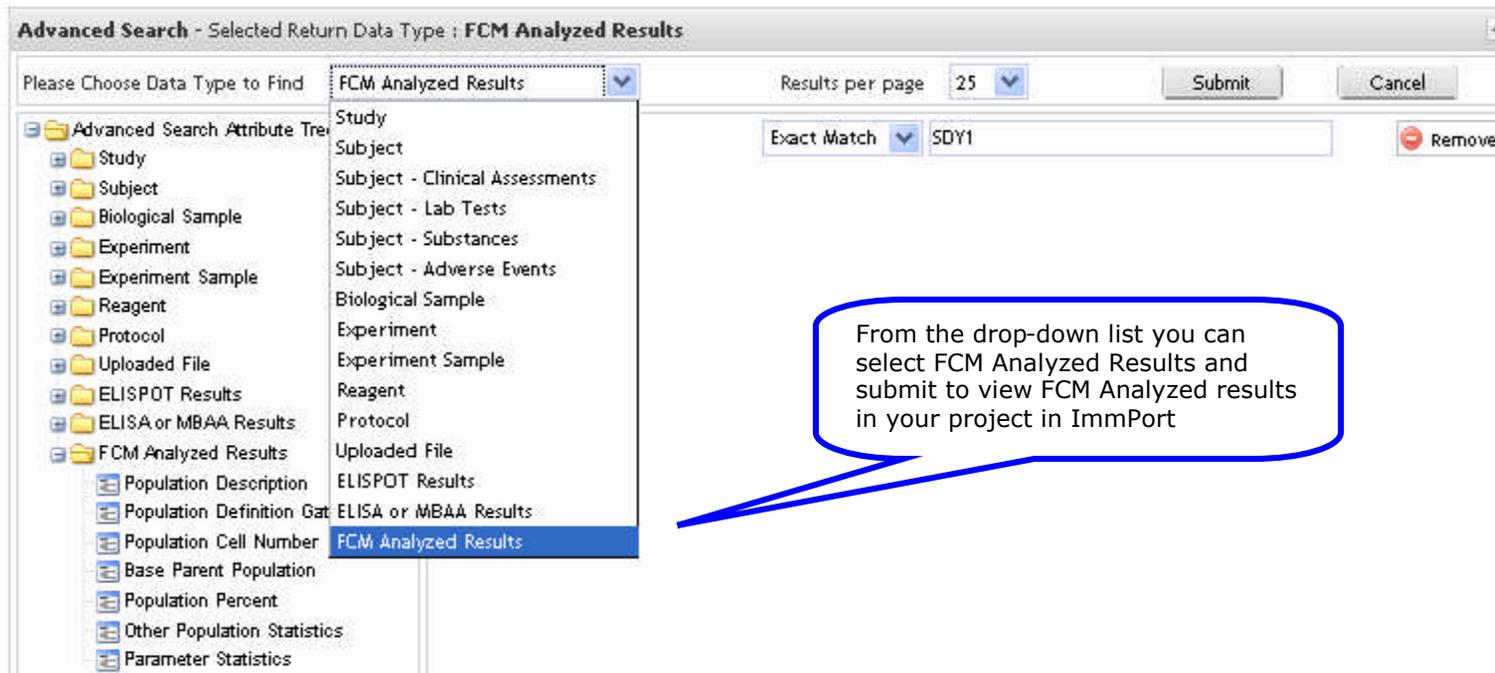
Search / Research Advanced Search 

Selected Projects

Change Projects

### Using Advanced Search:

- ▶ Choose the type of data you want to find (e.g. subjects, samples) from the drop down list.
- ▶ Choose a folder to refine your search. It can be the same or different data type from the data you want to find.
- ▶ Click on the data feature(s) you want to search.
- ▶ Enter search terms for one or more features.



**Advanced Search - Selected Return Data Type : FCM Analyzed Results**

Please Choose Data Type to Find: FCM Analyzed Results

Results per page: 25

Submit Cancel

Exact Match SDY1 Remove

**Advanced Search Attribute Tree**

- Study
- Subject
- Biological Sample
- Experiment
- Experiment Sample
- Reagent
- Protocol
- Uploaded File
- ELISPOT Results
- ELISA or MBAA Results
- FCM Analyzed Results
- Population Description
- Population Definition Gate
- Population Cell Number
- Base Parent Population
- Population Percent
- Other Population Statistics
- Parameter Statistics

FCM Analyzed Results

Study

Subject

Subject - Clinical Assessments

Subject - Lab Tests

Subject - Substances

Subject - Adverse Events

Biological Sample

Experiment

Experiment Sample

Reagent

Protocol

Uploaded File

ELISPOT Results

ELISA or MBAA Results

FCM Analyzed Results

From the drop-down list you can select FCM Analyzed Results and submit to view FCM Analyzed results in your project in ImmPort



# Research Advanced Search

Summary of the FCM analyzed results information in ImmPort will be displayed as shown below.

**Advanced Search - Selected Return Data Type**

Use **Display Columns** to hide or show columns or click on the arrow in the column header. Columns may also be moved by clicking on the column header and dragging to a new location.

Use the **Display Column** button to customize the table display

Export FCM analyzed results for further analysis

Exp	Exp Set	Exp S	Population Description	Population Definition Gate	Population Cell Number	Pop	Other Population Statistics	Parameter Statistics	Base Parent Population
EXP	ES256	Flow	B-cells	Viable gate	911066 cells/sample	72.8			all events
EXP	ES256	Flow	Annexin negative	Annexin negative	325251 cells/sample	35.7			B-cells
EXP	ES256	Flow	AA4hi Immature B cells	AA4hi	45210 cells/sample	4.9			B-cells and Annexin nega
EXP	ES256	Flow	Transitional type 2 or T2 ir	CD21hi/CD24hi	16637 cells/sample	18.2			B-cells and Annexin nega
EXP	ES256	Flow	Transitional type 1 or T1 ir	CD21lo/CD24hi	26312 cells/sample	58.2			B-cells and Annexin nega
EXP	ES256	Flow	AA4 lo mature and margin	AA4lo	270609 cells/sample	83.2			B-cells and Annexin nega
EXP	ES256	Flow	Marginal zonal B cells	CD21hi/CD24int	86054 cells/sample	31.8			B-cells and Annexin nega
EXP	ES256	Flow	Mature B cells	CD21lo/CD24lo	178331 cells/sample	65.9			B-cells and Annexin nega
EXP	ES256	Flow	B-cells	Viable gate	911066 cells/sample	68.8			all events
EXP	ES256	Flow	Annexin negative	Annexin negative	371715 cells/sample	40.8			B-cells
EXP	ES256	Flow	AA4hi Immature B cells	AA4hi	49066 cells/sample	13.2			B-cells and Annexin nega
EXP	ES256	Flow	Transitional type 2 or T2 ir	CD21hi/CD24hi	12463 cells/sample	25.4			B-cells and Annexin nega
EXP	ES256	Flow	Transitional type 1 or T1 ir	CD21lo/CD24hi	33954 cells/sample	69.2			B-cells and Annexin nega



Items selected with 'View Details' will provide all relevant identifiers as defined by the original author. Multiple tabs will appear if multiple items are selected for viewing.

**Note: You can only see reagents for the projects workspace selected in the detail page BUT in the edit page you can see the reagents in the public workspace regardless.**

**BS10314** Select tabs to view each item

Project Title:

Principal Investigator:

Biological Sample Accession No:

Name:

User-Defined ID:

Subject:

Description:

Bio-Source:

Pooled Sample Indicator:

Contributor Name:

Collection Date:

Submitter:

Submission Date:

**BioSample Attributes**

Molecular Fraction Type:

Purity:

Concentration:

Volume:

Weight:

**Treatments**

Page 1 of 1 | Displaying 1 - 1 of 1

Agent	Weight	Concentration	Volume	Time	Temp	Other
medium and 80ng/r		80ng/mL for BAFF;				

**Protocols used for this biological sample**

Page 1 of 1 | View Details | Save Items | Save All | Export | Displaying 1 - 1 of 1

Protocol Accession	User-Defined ID	Name	Type	Author	Project Title
<input type="checkbox"/> PTL99	FlowCyt Culture conditions	Culture conditions	Biomaterial_Transfc		Test research pr

**Associated Experiments**

Page 1 of 1 | Displaying 1 - 1 of 1

Exp Accession	User-Def	Exp Def	Num of Exp Samp	Project Title
<input type="checkbox"/> EXP55	FlowCyt		12	Test research project f

ImmPort does not provide active hyperlinks within Advanced Search as it does within Data Management



# Research Advanced Search

A maximum of 10,000 records will be saved to the list.

Select a project to save the list \*

List Name\*

Description

RP : TESTING: Bioinformatics Integration Support Project

List1

For advanced search information

Save Cancel

Use the Display Column button to customize the table display

Advanced Return Data Type : Subject

Use **Display Columns** to hide or show columns or click on the arrow in the column header. Columns may also be moved by clicking on the column header and dragging to a new location.

Page 1 of 7

View Details Save Items Save All Export

<input type="checkbox"/>	Sub Org	Accession	User-Defined	Species	Race/Str	Gender	Description	Subj
<input type="checkbox"/>	SUB73366	ITN019AD_00	Homo sapiens	Asian	Male	Omalizumab + Ragwe	Ragweed-indt	
<input type="checkbox"/>	SUB73367	ITN019AD_00	Homo sapiens	White	Female	Omalizumab + Placebo	Ragweed-indt	
<input type="checkbox"/>	SUB73368	ITN019AD_00	Homo sapiens	White	Female	Omalizumab + Placebo	Ragweed-indt	ITN019AD - Clinical Tr <a href="#">SDY1</a> Placebo Immunotherapy with anti-IgE
<input type="checkbox"/>	SUB73369	ITN019AD_00	Homo sapiens	White	Female	Placebo + Placebo IT	Ragweed-indt	ITN019AD - Clinical Tr <a href="#">SDY1</a> Placebo Immunotherapy with placebo anti-IgE
<input type="checkbox"/>	SUB73370	ITN019AD_00	Homo sapiens	White	Male	Placebo + Ragweed I	Ragweed-indt	ITN019AD - Clinical Tr <a href="#">SDY1</a> Immunotherapy with placebo anti-IgE
<input type="checkbox"/>	SUB73371	ITN019AD_00	Homo sapiens	White	Male	Omalizumab + Ragwe	Ragweed-indt	ITN019AD - Clinical Tr <a href="#">SDY1</a> Immunotherapy with anti-IgE

Select 'Save Items' or 'Save All' and a 'Save' option box (see above) will appear. The user can define the project to which the data list is to be saved. Data saved in this way can be retrieved at a later date.



To retrieve 'Saved' lists, return to Advanced Search, reselect the project to which the list was saved, click 'Select Projects'. From the Advance Search Attributes Tree view, select the data type of contained within the save listed (i.e. subject, biological samples, etc.) and go to 'Saved List'. A drop down menu will appear with the user's saved list contained within. Select the list and click 'Submit' to view the data within the list.



### Using Advanced Search:

- ▶ Choose the type of data you want to find (e.g. subjects, samples) from the drop down list.
- ▶ Choose a folder to refine your search. It can be the same or different data type from the data you want to find.
- ▶ Click on the data feature(s) you want to search.
- ▶ Enter search terms for one or more features.

**Advanced Search - Selected Return Data Type : Subject**

Please Choose Data Type to Find : **subject** Results per page : 50

Subject: Saved List	Equal		<input type="button" value="Remove"/>
Subject: Ethnicity	Like		<input type="button" value="Remove"/>
Subject: User Def Subject Org Id	Like		<input type="button" value="Remove"/>

Select desired list and click 'Submit'



The saved list will contain all data previously selected, but the data that is displayed is dependent on the projects that are selected. You can review the selected projects and modify the selected projects from the options in the upper right corner of the Advanced Search page. The list contents can be reviewed by going to My Saved List from the Admin tab in ImmPort website.

**IMMPORT** [Edit Profile](#) | [Sign Out](#)

[About ImmPort](#) [Admin](#) **[Access Data](#)** [Tools](#) [Resources](#) [News & Events](#)

Submit Data  
Submission History  
Submission Resources  
Research Data  
Research Advanced Search  
Reference Data  
Reference Advanced Search  
**[My Saved List](#)**

**My Saved List / Summary**

Select desired list from 'My Saved List' under the Access Data tab in ImmPort

This page provides a summary overview of various types of saved lists with selected research lists by selecting one or more saved lists and clicking the 'View Details' button. Please note that t may view detailed information about specific saved dependent on the projects you selected.

Page 1 of 3 | View Details |  List Union |  List Intersection | Displaying 1 - 25 of 62

<input type="checkbox"/> List Name	List Description	List Type	Total Items	Accessible Items
<input type="checkbox"/> 20090710 protein union SPW	Test	PROTEIN	10000	0
<input type="checkbox"/> 20090722 SFVT sub SPW	total - 106	SUBJECT	106	106
<input type="checkbox"/> 20090803 AS sub SPW	all - total - 3 thomsli	SUBJECT	3	3
<input type="checkbox"/> 20090813 F subject	all - 2	SUBJECT	2	2
<input type="checkbox"/> 20090813 PO All	total - 3470	MHC_ALLELE	3470	67
<input type="checkbox"/> 20090814 PO Experim	all - total - 2	EXPERIMENT	2	2
<input type="checkbox"/> 20090814 PO exp		EXPERIMENT	1	1
<input type="checkbox"/> 20090820 AS su		SUBJECT	2	2
<input type="checkbox"/> 20091207 Btest		GENE	4	4

Select items and click view details, check list union or list intersection. The List is generated from items of the same "List Type"



# Reference Advanced Search

From the Access Data tab, click on Reference Advanced Search to view the reference data available in ImmPort.

**Using Advanced Search:**

- Choose the type of data you want to find (e.g. genes, proteins) from the drop down
- Choose a folder to refine your search. It can be the same or different data type from the data you want to find.
- Click on the data feature(s) you want to search.
- Enter search terms for one or more features.

**Advanced Search - Selected Return Data Type : Gene**

Please Choose Data Type to Find: **Gene** Results per page: 25

**Advanced Search Attribute Tree**

- Gene
  - Entrez Gene Id
  - Saved List
  - Symbol
  - Synonyms
  - Name
  - Species
  - Chromosome
  - Type
  - Import Gene
- OMIM
- GO
- Unigene
- Pubmed
- RefSeq
- UCSC
- SNP
- Protein
- MHC Allele

From the Access Data tab, select Reference Advanced Search to view the advance search attribute on the left panel

Select Gene and then click on submit to get the information on the Gene information available in your project



# Reference Advanced Search

A summary table is displayed with the gene information. Select a gene id to view details, save or export for further analysis.

**Search / Reference Advanced Search** [Edit Profile](#) | [Sign Out](#)

[Home](#) [About ImmPort](#) [Admin](#) [Access Data](#) [Tools](#) [Resources](#) [News & Events](#)

**Using Advanced Search** [Change Projects](#)

- Choose the type of data you want to find (e.g. genes, proteins) from the drop down list.
- Choose a folder to refine your search. It can be the same or different data type from the data you want to find.
- Click on the data feature(s) you want to search.
- Enter search terms for one or more features.

**Notes:**  
Advanced search uses Genes as the link to the other data types (SNPs, MHC Alleles, Proteins) based on public sources.

To modify your search, please expand the search box -

**Advanced Search** - Selected Return Data Type : **Gene**

Tip: You can select a range of rows by holding down the 'Shift' key and then clicking on the check boxes. [More tips.](#)

Selected items: 1, 10, 100, 1000

Click view details for more detailed information on the selected Entrez Gene Id

Entrez Gene Id	Symbol	Synonyms	Name	Taxonomy Name	Import Gene
<input checked="" type="checkbox"/> 1	A1BG	A1B A1BG DKFZp686F0970	alpha-1-B glycoprotein	Homo sapiens	
<input checked="" type="checkbox"/> 10	NAT2	AAC2 PNAT	N-acetyltransferase 2 (aryl)	Homo sapiens	
<input checked="" type="checkbox"/> 100	ADA	-	adenosine deaminase	Homo sapiens	Y
<input checked="" type="checkbox"/> 1000	CDH2	CD325 CDHN CDw325 NC	cadherin 2, type 1, N-cadherin	Homo sapiens	Y
<input type="checkbox"/> 10000	AKT3	DKFZp434N0250 PKB-Gamma	v-akt murine thymoma virus	Homo sapiens	
<input type="checkbox"/> 100008564	Gm14018	OTTMUSG00000015378 W	WD repeat domain 76 pseudogene	Mus musculus	
<input type="checkbox"/> 100008565	Slc39a4l	Slc39a10 Zp10	solute carrier family 39 (zinc)	Rattus norvegicus	
<input type="checkbox"/> 100008567	Gm14964	ENSMUSG00000052188 D	predicted gene 14964	Mus musculus	
<input type="checkbox"/> 100008585	TICAM1	TRIF	toll-like receptor adaptor molecule 1	Gallus gallus	
<input type="checkbox"/> 100008586	GAGE12F	-	G antigen 12F	Homo sapiens	
<input type="checkbox"/> 100008587	RN5-8S1	-	RNA, 5.8S ribosomal 1	Homo sapiens	
<input type="checkbox"/> 100008588	RN18S1	-	RNA, 18S ribosomal 1	Homo sapiens	
<input type="checkbox"/> 100008589	RN28S1	-	RNA, 28S ribosomal 1	Homo sapiens	



Detailed information is displayed when user clicks 'view details'. Set default is the first block expanded and the rest of the blocks are collapsed.

**Reference Data / Gene Detailed Report**

Home | Genes | Proteins | MHC Alleles | Pathways | Protein Networks | SNPs | ImmPort Gene Lists | Immunologically Related Genes | Download | Data History

[Back to Advanced Search](#)

**A1BG** Collapse All: Expand All:

**Gene Summary**

Entrez Gene ID	<a href="#">1</a>	UniGene ID	<a href="#">Hs.529161</a> <a href="#">Hs.709582</a>
Entrez Gene Symbol	A1BG	Entrez Gene Name	alpha-1-B glycoprotein
Also known as	A1B; ABG; DKFZp686F0970; GAB; HYST2477		
Chromosome Location	19q13.4	Organism (Taxon ID)	Homo sapiens (9606)
Gene Expression	<a href="#">GEO</a>		

Transcripts

[\[Click Here to View Reference Sequence Details\]](#)

**Protein**

**Gene Ontology [Ontology Browser]**

**Protein Interactions**

**Pathways**

**Phenotypes and Diseases**

**Polymorphism**

**Homologs**

**Related Sequences**

**References**

**Export**

A maximum of 10 tabs can be displayed on a gene detail page. Expand the blocks for detailed information on the gene information. Click on export further analysis





## Reference Data / Gene Detailed Report

[Home](#) | [Genes](#) | [Proteins](#) | [MHC Alleles](#) | [Pathways](#) | [Protein Networks](#) | [SNPs](#) | [ImmPort Gene Lists](#) | [Immunologically Related Genes](#) | [Download](#) | [Reference Data History](#)

[Back To Search Results](#)

Syk SYK Syk

Collapse All: Expand All:

Gene Summary			
Entrez Gene ID	<a href="#">20963</a>	UniGene ID	<a href="#">Mm.375031</a>
Entrez Gene Symbol	Syk	Entrez Gene Name	spleen tyrosine kinase
Also known as	-	Organism (Taxon ID)	Mus musculus (10090)
Chromosome Location	13 B-C2 13 37.0 cM	Genome Build	
Gene Expression	<a href="#">GEO</a>		
Transcripts			

Protein

Gene Ontology [Ontology Browser]

Protein Interactions

Pathways

Phenotypes and Diseases

Polymorphism

Homologs

Related Sequences

References

Opening output\_1255379549932.txt

You have chosen to open

**output\_1255379549932.txt**  
which is a: Text Document  
from: https://www.immport.net

What should Firefox do with this file?

Open with Notepad (default)

Save File

Do this automatically for files like this from now on.

OK Cancel

Export



## Gene Summary, Protein, Gene Ontology (Ontology Browser)

**Syk** SYK Syk Collapse All:  Expand All:

### Gene Summary

Entrez Gene ID	<a href="#">20963</a>	UniGene ID	<a href="#">Mm.375031</a>
Entrez Gene Symbol	Syk	Entrez Gene Name	spleen tyrosine kinase
Also known as	-	Organism (Taxon ID)	Mus musculus (10090)
Chromosome Location	13 B-C2 13 37.0 cM	Genome Build	
Gene Expression	<a href="#">GEO</a>		
Transcripts			

### Protein

RefSeq Peptide:	NP_035648.2 -
Protein gi:	56550045 -
Swiss-Prot/KB Accession1:	P48025 <a href="#">[Details]</a> <a href="#">[View Sequence]</a>
Swiss-Prot/KB Entry Name:	KSYK_MOUSE
Protein Name:	Tyrosine-protein kinase SYK

### Gene Ontology [Ontology Browser]

Biological Process	<a href="#">GO:0000187</a>	activation of MAPK activity
	<a href="#">GO:0050850</a>	positive regulation of calcium-mediated signaling
	<a href="#">GO:0050731</a>	positive regulation of peptidyl-tyrosine phosphorylation
	<a href="#">GO:0046777</a>	protein amino acid autophosphorylation
Cellular Component	<a href="#">GO:0005737</a>	cytoplasm
	<a href="#">GO:0042101</a>	T cell receptor complex
	<a href="#">GO:0019815</a>	B cell receptor complex
Molecular Function	<a href="#">GO:0000166</a>	nucleotide binding
	<a href="#">GO:0004713</a>	protein tyrosine kinase activity
	<a href="#">GO:0004672</a>	protein kinase activity



## Protein Interactions, Pathways, Phenotype and Diseases, Polymorphisms, Homologs

### Protein Interactions ▾

(the number of interactions : 30) [\[view\]](#)

Interactors	Organism	Description	Type	Evidence Database
<a href="#">0610011L14Rik</a> :: <a href="#">Actb</a> :: <a href="#">Ak1</a> :: <a href="#">Anxa1</a> :: <a href="#">Camkk2</a> :: <a href="#">Capza1</a> :: <a href="#">Celsr3</a> :: <a href="#">Cldn11</a> :: <a href="#">Csf1</a> :: <a href="#">Dync1h1</a> :: <a href="#">Eef1a1</a> :: <a href="#">Eef1g</a> :: EG654473 :: <a href="#">Flnb</a> :: <a href="#">Icam5</a> :: <a href="#">Iqqap1</a> :: <a href="#">Iqqap1</a> :: <a href="#">Itm2b</a> :: <a href="#">Jak2</a> :: <a href="#">Map3k3</a> :: <a href="#">Map3k5</a> :: <a href="#">Mapk8ip2</a> :: <a href="#">Mark2</a> :: <a href="#">Mknk2</a> :: <a href="#">Myd88</a> :: <a href="#">Myh10</a> :: <a href="#">Myh11</a> :: <a href="#">Myh9</a> :: <a href="#">Myo1a</a> :: <a href="#">Myo1c</a> :: <a href="#">Myo1g</a> :: <a href="#">Myo5a</a> :: <a href="#">Opa1</a> :: <a href="#">Pik3r1</a> :: <a href="#">Ppp1r12c</a> :: <a href="#">Ppp1r3a</a> :: <a href="#">Rgs14</a> :: <a href="#">Rock2</a> :: <a href="#">Sirpa</a> :: <a href="#">Slc7a1</a> :: <a href="#">Syk</a> :: <a href="#">Tpm3</a>	Mus musculus	Proteins identified by MS associating with tyrosine phosphorylated Colony Stimulating Factor Receptor 1	unspecified	<a href="#">1</a> IntAct [ <a href="#">1</a> ] InnateDB [ <a href="#">1</a> ]
<a href="#">Abl1</a> :: <a href="#">Syk</a>	Mus musculus	Syk physically interacts with Abl1	physical association	<a href="#">1</a> InnateDB [ <a href="#">1</a> ]
<a href="#">Blk</a> :: <a href="#">Syk</a>	Mus musculus	Syk physically interacts with Blk	physical association	<a href="#">1</a> InnateDB [ <a href="#">1</a> ] ? 1

### Pathways ▾

Database	Pathway name	genes in pathway	Detail
KEGG	Natural killer cell mediated cytotoxicity	156	<a href="#">[KEGG]</a>
	Fc epsilon RI signaling pathway	79	<a href="#">[KEGG]</a>
	B cell receptor signaling pathway	70	<a href="#">[KEGG]</a>

### Phenotypes and Diseases ▾

### Polymorphism ▾

No records found.

### Homologs ▾

Homologene Group ID:	<a href="#">2390</a>
Gene Symbols in Group:	<a href="#">Syk</a> (Rattus norvegicus) / <a href="#">RCJMB04_19o18</a> (Gallus gallus) / <a href="#">SYK</a> (Homo sapiens) /
Protein GI & Accessions used in calculation.	<a href="#">6981620</a> , <a href="#">NP_036890.1</a> / <a href="#">71895287</a> , <a href="#">NP_001026601.1</a> / <a href="#">21361553</a> , <a href="#">NP_003168.2</a> /



## Related Sequences, References

Related Sequences		
	Nucleotide	Protein
Genomic	AC159192.2	None
Genomic	AC160765.4	None
Genomic	CH466546.1	EDL41113.1
Genomic	CH466546.1	EDL41114.1
Genomic	CH466546.1	EDL41115.1
mRNA	AK036736.1	BAE20505.1
mRNA	AK049207.1	None
mRNA	AK136363.1	BAE22946.1
mRNA	AK143564.1	BAE25438.1
mRNA	AK172119.1	None
mRNA	BB629720.1	None
mRNA	BC065121.1	AAH65121.1
mRNA	U25685.1	AAA8746.1
mRNA	U36776.1	AA179996.1
mRNA	Z49877.1	CAA90034.1

References			
PubMed ID	Year	Author	
<a href="#">17596518</a>	2007	LeRouxD et al.	Syk-dependent actin dynamics regulate endocytic trafficking and processing of antigens internalized through the B-cell receptor.
<a href="#">17606633</a>	2007	PalaciosEH et al.	Distinct roles for Syk and ZAP-70 during early thymocyte development.
<a href="#">17681949</a>	2007	AbudulaA et al.	SLP-65 signal transduction requires Src homology 2 domain-mediated membrane anchoring and a kinase-independent adaptor function of Syk.

**Opening output\_1255379549932.txt**

You have chosen to open

**output\_1255379549932.txt**  
which is a: Text Document[  
from: https://www.immport.net

What should Firefox do with this file?

Open with Notepad (default)

Save File

Do this automatically for files like this from now on.

OK Cancel

Export



## Basic Protein Query Results



### Reference Data / Protein Network Query Results

[Home](#) | [Genes](#) | [Proteins](#) | [MHC Alleles](#) | [Peptides](#) | [Gene Lists](#) | [Immunologically Related Genes](#) | [Download](#) | [Data History](#)

Click 'modify search' to make changes on search criteria

Search Criteria [\(Modify Search\)](#)

Type: Gene Symbol

Text: CDK-7

Species: Homo sapiens, Mus musculus, Rattus rattus, Rattus norvegicus, Gallus gallus, Drosophila melanogaster, Macaca mulatta, Macaca fascicularis

Option: Like

Click on interaction/complex information of the protein network

**Interaction**

Complex

Select up to 10 search results to view in a detailed report.

3 item(s) selected.

Click on view details of the selected items using the Interaction ID

5 items found, displaying all items.

	Interaction ID	Data Source	Input Molecule	Interactor Molecule
<input checked="" type="checkbox"/>	24906	BIND	CG10009 gene product from transcript CG10009-RA	Cyclin-dependent kinase 7
<input checked="" type="checkbox"/>	25406	BIND	Muscle LIM protein at 84B	Cyclin-dependent kinase 7
<input checked="" type="checkbox"/>	41076	BIND	Cyclin-dependent kinase 7	Heat shock protein cognate 4
<input type="checkbox"/>	41077	BIND	Cyclin-dependent kinase 7	protein partner of snf
<input type="checkbox"/>	200162	BIND	Cyclin-dependent kinase 7	

5 items found, displaying all items.



# Reference Advanced Search

Search / Reference Advanced Search Selected Projects Change Projects

**Using Advanced Search:** **Hints:**

Advanced Search - Selected Return Data Type : SNP

Please Choose Data Type to Find: **SNP** Results per page: 25 Submit Cancel

Advanced Search Attribute Tree: Gene, SNP, dbSNP ID, Saved List, Function, HapMap, Chromosome, Protein, MHC Allele

SNP Function: Equal coding-nonsynonymous coding-synonymous exception Remove

Select SNP and then select a search attribute from the left panel. Submit the search to get the information on the SNP function. The results obtained below can be viewed in detail or saved for further analysis

Selected items: rs10, rs100, rs1000

Page 1 of 481621 View Details Save Items Save All Export Displaying 1 - 25 of 12040509

dbSnp Id	HapMap	Gene Symbol	Chromosome	Position	Strand	Build	Gene Name	Function	Organism
<input checked="" type="checkbox"/> rs10	Y	CDK6	7	92221824	+	dbSNP 126	cyclin-depender	intron	human
<input checked="" type="checkbox"/> rs100	N	-	7	24404874	+	dbSNP 126	-	not specified	human
<input checked="" type="checkbox"/> rs1000	N	PBX2	6	32261873	-	dbSNP 126	pre-B-cell leuker	mma-utr	human
<input type="checkbox"/> rs1000000	Y	-	12	125456933	-	dbSNP 126	-	not specified	human
<input type="checkbox"/> rs10000000	N	-	4	39765291	+	dbSNP 126	-	not specified	human
<input type="checkbox"/> rs10000001	N	-	4	112803216	+	dbSNP 126	-	not specified	human
<input type="checkbox"/> rs10000002	N	SCFD2	4	53776111	+	dbSNP 126	sec1 family dor	intron	human
<input type="checkbox"/> rs10000003	N	-	4	57256404	+	dbSNP 126	-	not specified	human
<input type="checkbox"/> rs10000004	Y	-	4	75625312	+	dbSNP 126	-	not specified	human
<input type="checkbox"/> rs10000005	N	-	4	85380582	+	dbSNP 126	-	not specified	human
<input type="checkbox"/> rs10000006	N	SGMS2	4	109045832	+	dbSNP 126	sphingomyelin s	intron	human
<input type="checkbox"/> rs10000007	Y	CAMK2D	4	114772702	+	dbSNP 126	calcium/calmodi	intron	human
<input type="checkbox"/> rs10000008	N	GALNTL6	4	173012779	+	dbSNP 126	UDP-N-acetyl-a	intron	human



# Reference Advanced Search

Search / Reference Advanced Search Selected Projects Change Projects

**Using Advanced Search:** Hints:

**Advanced Search** - Selected Return Data Type : **Protein**

Please Choose Data Type to Find: **Protein** Results per page: 25 Submit Cancel

Advanced Search Attribute Tree: Gene, SNP, Protein, Accession, Saved List, Accession Name, Protein Name, MHC Allele

Protein: Protein Name: Like Remove

Select Protein and then select a search attribute from the left panel. Submit the search to get the information on the Protein name. The results obtained below can be viewed in detail or saved for further analysis

Selected items: P30479, P05067, P48410

Page 1 of 1999 | View Details | Save Items | Save All | Export | Displaying 1 - 25 of 49953

UniProt Id	Accession	Accession Name	Protein Name	Entrez Gene Id	Gene Symbol	Organism
<input checked="" type="checkbox"/>	710000003	P30479	1B41_HUMAN	HLA class I histocomp: 3106	HLA-B	Human
<input checked="" type="checkbox"/>	710000012	P05067	A4_HUMAN	Amyloid beta A4 protein 351	APP	Human
<input checked="" type="checkbox"/>	710000018	P48410	ABCD1_MOUSE	ATP-binding cassette s 11666	Abcd1	Mouse
<input type="checkbox"/>	710000021	P13516	ACOD1_MOUSE	Acyl-CoA desaturase 1 20249	Sod1	Mouse
<input type="checkbox"/>	710000023	P53396	ACLY_HUMAN	ATP-citrate synthase 47	ACLY	Human
<input type="checkbox"/>	710000037	B2GV54	ADCL1_RAT	Arylacetamide deacety 294030	Aadac1	Rat
<input type="checkbox"/>	710000047	Q4KLH5	AGFG1_RAT	Arf-GAP domain and F 363266	Agfg1	Rat
<input type="checkbox"/>	710000049	Q8NCW5	AIBP_HUMAN	Apolipoprotein A1-bindin 128240	APOA1BP	Human
<input type="checkbox"/>	710000051	Q99LF1	AKIR1_MOUSE	Akinin-1 68050	Akirin1	Mouse
<input type="checkbox"/>	710000061	P15207	ANDR_RAT	Androgen receptor 24208	Ar	Rat
<input type="checkbox"/>	710000065	P69527	AMPO_RAT	Aminopeptidase O 290963	Npepo	Rat
<input type="checkbox"/>	710000070	Q499M5	ANR16_RAT	Ankyrin repeat domain- 307102	Ankrd16	Rat
<input type="checkbox"/>	710000071	P51901	ANXA6_CHICK	Annexin A6 395481	ANXA6	Chicken



Search / Reference Advanced Search Selected Projects Change Projects

**Using Advanced Search:** **Hints:**

Advanced Search - Selected Return Data Type: MHC Allele

Please Choose Data Type to Find: **MHC Allele** Results per page: 25 Submit Cancel

- Advanced Search Attribute Tree
  - Gene
  - SNP
  - Protein
  - MHC Allele
    - Allele Name
    - Saved List
    - IMGT Accession
    - CWD Allele
    - Partial Sequence
    - Pseudo Gene
    - Comments
    - G Code
  - MHC Locus
  - Molecule Seq
  - PubMed

boxes. [More tips.](#)

Selected items: A\*01010101, A\*01010102N, A\*010102

Page 1 of 147 | View Details | Save Items | Save All | Export | Displaying 1 - 25 of 3668

Allele Name/CWD	Sequence Features	Allele Frequency
<input checked="" type="checkbox"/> A*01010101 CWD		
<input checked="" type="checkbox"/> A*01010102N		
<input checked="" type="checkbox"/> A*010102		
<input type="checkbox"/> A*010103		
<input type="checkbox"/> A*010104		
<input type="checkbox"/> A*010105		
<input type="checkbox"/> A*0102 CWD		

Select MHC Allele and then select a search attribute from the left panel. Submit the search to get the information obtained below can be viewed in detail or saved for further analysis

