

# Resource Summary Report

Generated by NIF on Apr 22, 2025

## The Immunology Database and Analysis Portal (ImmPort)

RRID:SCR\_012804

Type: Tool

### Proper Citation

The Immunology Database and Analysis Portal (ImmPort) (RRID:SCR\_012804)

### Resource Information

**URL:** <https://www.immport.org/home>

**Proper Citation:** The Immunology Database and Analysis Portal (ImmPort) (RRID:SCR\_012804)

**Description:** Data sharing repository of clinical trials, associated mechanistic studies, and other basic and applied immunology research programs. Platform to store, analyze, and exchange datasets for immune mediated diseases. Data supplied by NIAID/DAIT funded investigators and genomic, proteomic, and other data relevant to research of these programs extracted from public databases. Provides data analysis tools and immunology focused ontology to advance research in basic and clinical immunology.

**Abbreviations:** ImmPort

**Synonyms:** Immunology Data and Analysis Portal, ImmPort system, ImmPort, Immunology Database and Analysis Portal

**Resource Type:** disease-related portal, data repository, data or information resource, storage service resource, portal, topical portal, service resource, database, ontology, controlled vocabulary

**Defining Citation:** [PMID:24791905](#)

**Keywords:** immunology, basic, clinical, data, share, store, analyze, exchange, dataset, immune, mediated, disease, analysis, tool, FASEB list

**Related Condition:** Immune mediated disease

**Funding:** NIH ;  
NIAID ;  
DAIT ;  
NIAID HHSN266200400076C;  
NIAID HHSN272201200028C

**Availability:** Free, Freely available

**Resource Name:** The Immunology Database and Analysis Portal (ImmPort)

**Resource ID:** SCR\_012804

**Alternate IDs:** nlx\_152691

**Alternate URLs:** <http://www.immport.org/immport-open/public/home/home>,  
<http://www.immport.org/>

**Old URLs:** <http://www.immport.org>

**License URLs:** <http://www.immport.org/immport-open/public/home/studySearch>,  
<http://www.immport.org/immport-open/public/home/dataSubmission>

**Record Creation Time:** 20220129T080312+0000

**Record Last Update:** 20250421T053912+0000

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## Ratings and Alerts

No rating or validation information has been found for The Immunology Database and Analysis Portal (ImmPort).

No alerts have been found for The Immunology Database and Analysis Portal (ImmPort).

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 856 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [NIF](#).

Liao Z, et al. (2025) Identification of novel biomarkers for lupus nephritis. *Biomolecules & biomedicine*, 25(2), 406.

Song W, et al. (2025) Role of immune cell homeostasis in research and treatment response in hepatocellular carcinoma. *Clinical and experimental medicine*, 25(1), 42.

Hu F, et al. (2025) TLR7: A Key Prognostic Biomarker and Immunotherapeutic Target in Lung Adenocarcinoma. *Biomedicines*, 13(1).

Jiang G, et al. (2025) Immune-related gene SOX10 affects ferroptosis in pancreatic cancer and facilitates tumor progression by targeting CMTM7-mediated Wnt/ $\beta$ -catenin signaling pathway. *European journal of medical research*, 30(1), 5.

Fan Y, et al. (2025) Single-cell RNA-seq analysis reveals microenvironmental infiltration of myeloid cells and pancreatic prognostic markers in PDAC. *Discover oncology*, 16(1), 81.

Wang Z, et al. (2025) Development of immune-derived molecular markers for preeclampsia based on multiple machine learning algorithms. *Scientific reports*, 15(1), 1767.

Wang S, et al. (2025) Ferroptosis-related genes participate in the microglia-induced neuroinflammation of spinal cord injury via NF- $\kappa$ B signaling: evidence from integrated single-cell and spatial transcriptomic analysis. *Journal of translational medicine*, 23(1), 43.

Zhan J, et al. (2025) Immunomodulatory insights of monoterpene glycosides in endometriosis: immune infiltration and target pathways analysis. *Hereditas*, 162(1), 1.

Zhao X, et al. (2025) CITMIC: Comprehensive Estimation of Cell Infiltration in Tumor Microenvironment based on Individualized Intercellular Crosstalk. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(1), e2408007.

Jiang F, et al. (2025) BMP6, a potential biomarker of inflammatory fibrosis and promising protective factor for dilated cardiomyopathy. *Chinese medicine*, 20(1), 12.

Jin R, et al. (2025) Prognostic Value of Insulin Growth Factor-Like Receptor 1 (IGFLR1) in Stage II and III Colorectal Cancer and Its Association with Immune Cell Infiltration. *Applied biochemistry and biotechnology*, 197(1), 427.

Zhou S, et al. (2025) The cGAS-STING-interferon regulatory factor 7 pathway regulates neuroinflammation in Parkinson's disease. *Neural regeneration research*, 20(8), 2361.

Wang H, et al. (2025) Combining machine learning and single-cell sequencing to identify key immune genes in sepsis. *Scientific reports*, 15(1), 1557.

Wang J, et al. (2025) Comparing acute versus AIDS ART initiation on HIV-1 integration sites and clonal expansion. *Signal transduction and targeted therapy*, 10(1), 23.

Zhang S, et al. (2025) Integrative single-cell and multi-omics analyses reveal ferroptosis-associated gene expression and immune microenvironment heterogeneity in gastric cancer. *Discover oncology*, 16(1), 57.

Mao X, et al. (2024) Apelin (APLN) is a biomarker contributing to the diagnosis and

prognosis of hepatocellular carcinoma. Scientific reports, 14(1), 20441.

Yan Q, et al. (2024) Bronchial epithelial transcriptomics and experimental validation reveal asthma severity-related neutrophilic signatures and potential treatments. Communications biology, 7(1), 181.

Li B, et al. (2024) Overexpression of SPP1 is a prognostic indicator of immune infiltration in lung adenocarcinoma. Aging, 16(3), 2953.

Xiao Y, et al. (2024) A novel immune-related gene signature for diagnosis and potential immunotherapy of microsatellite stable endometrial carcinoma. Scientific reports, 14(1), 3738.

Ma M, et al. (2024) Identification and functional analysis of circulating small extracellular vesicle lncRNA signatures in children with fulminant myocarditis. Journal of cellular and molecular medicine, 28(2), e18034.