

Resource Summary Report

Generated by [PRECISE-TBI](#) on Jul 29, 2026

ImmGen

RRID:SCR_021792

Type: Tool

Proper Citation

ImmGen (RRID:SCR_021792)

Resource Information

URL: <https://www.immgen.org/>

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Description: Project combines immunology and computational biology laboratories in effort to establish complete road map of gene-expression and regulatory networks in all immune cells. Project will generate, with rigorously standardized conditions, complete compendium of genome-wide data sets showing expression of protein-coding genes for all defined cell populations of mouse immune system.

Synonyms: Immunological Genome Project

Resource Type: data or information resource, database

Defining Citation: [PMID:18800157](#), [PMID:32978299](#)

Keywords: gene expression, regulatory networks, all immune cells, protein coding genes, mouse immune system

Funding: NIAID R24 AI072073

Availability: Free, Freely available

Resource Name: ImmGen

Resource ID: SCR_021792

Record Creation Time: 20220129T080357+0000

Record Last Update: 20260729T044533+0000

Ratings and Alerts

No rating or validation information has been found for ImmGen.

No alerts have been found for ImmGen.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 258 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Tam H, et al. (2026) Splenic cDC1 efferocytosis and cross-presentation to CD8 T cells are promoted by GPR34 and lysophosphatidylserine. The Journal of experimental medicine, 223(1).

Goala P, et al. (2026) IFN- γ -driven skewing towards Th1 over Th17 differentiation underlies CRS and neutropenia in CAR-T therapy. The Journal of clinical investigation, 136(1).

Stifter SA, et al. (2026) XPR1 regulates fetal liver macrophage development, identity, and pyrenocyte clearance. The Journal of experimental medicine, 223(2).

Kama Y, et al. (2026) Notch interaction with RUNX factors regulates initiation of the T-lineage program. The Journal of experimental medicine, 223(2).

Sun M, et al. (2025) In Situ Programming of the Tumor Microenvironment to Alleviate Immunosuppression for Pancreatic Cancer Immunotherapy. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(34), e04008.

Yang C, et al. (2025) European and African ancestry-specific plasma protein-QTL and metabolite-QTL analyses identify ancestry-specific T2D effector proteins and metabolites. Nature communications, 16(1), 7412.

Alghamdi B, et al. (2025) Single-cell RNA profiling identifies immune cell population shifts in diabetes associated mucosal inflammation. Mucosal immunology, 18(5), 1082.

Godini R, et al. (2025) Transcriptional regulatory logic orchestrating lymphoid and myeloid cell fate decisions. Frontiers in immunology, 16, 1544483.

Schmitt MT, et al. (2025) Protecting centrosomes from fracturing enables efficient cell navigation. Science advances, 11(17), eadx4047.

Estrada MD, et al. (2025) Transcriptional regulation of Ligase IV by an intronic regulatory element directs thymocyte development. Genes and immunity, 26(5), 509.

Alonso R, et al. (2025) Reprogramming RIPK3-induced cell death in malignant B cells promotes immune-mediated tumor control. Science advances, 11(33), eadv0871.

Swancutt KL, et al. (2025) Immune stromal components impede biological effectiveness of carbon ion therapy in a preclinical model of pancreatic ductal adenocarcinoma. bioRxiv : the preprint server for biology.

Kumar A, et al. (2025) Single-Cell RNA Sequencing Identifies Accumulation of Fcgr2b + Virtual Memory-Like CD8 T Cells With Cytotoxic and Inflammatory Potential in Aged Mouse White Adipose Tissue. Aging cell, 24(12), e70278.

Feng JX, et al. (2025) Single-cell lineage tracing identifies hemogenic endothelial cells in the adult mouse bone marrow. bioRxiv : the preprint server for biology.

Rodriguez LIL, et al. (2025) Tissue-specific properties of type 1 dendritic cells in lung cancer: implications for immunotherapy. Journal for immunotherapy of cancer, 13(3).

Tang WW, et al. (2025) A microRNA-regulated transcriptional state defines intratumoral CD8+ T cells that respond to immunotherapy. Cell reports, 44(2), 115301.

Estrada MD, et al. (2025) Transcriptional regulation of the non-homologous end joining gene Ligase IV by an intronic regulatory element directs thymocyte development. Research square.

Steiner KK, et al. (2025) Mitochondrial fatty acid synthesis and MECR regulate CD4+ T cell function and oxidative metabolism. Journal of immunology (Baltimore, Md. : 1950), 214(5), 958.

Chen YT, et al. (2025) A host-pathogen metabolic synchrony that facilitates disease tolerance. Nature communications, 16(1), 3729.

Kabrani E, et al. (2025) RIF1 integrates DNA repair and transcriptional requirements during the establishment of humoral immune responses. Nature communications, 16(1), 777.