

Resource Summary Report

Generated by [NIF](#) on Sep 19, 2026

C57BL/6-Prf1^{tm1Sdz/J}

RRID:IMSR_JAX:002407

Type: Organism

Proper Citation

RRID:IMSR_JAX:002407

Organism Information

URL: <https://www.jax.org/strain/002407>

Proper Citation: RRID:IMSR_JAX:002407

Description: Mus musculus with name C57BL/6-Prf1^{tm1Sdz/J} from IMSR.

Species: Mus musculus

Synonyms: C57BL/6-Pfp

Notes: gene symbol note: perforin 1 (pore forming protein); mutant strain: Prf1

Affected Gene: perforin 1 (pore forming protein)

Genomic Alteration: targeted mutation 1; Sandoz Pharmaceuticals

Catalog Number: JAX:002407

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: C57BL/6-Prf1^{tm1Sdz/J}

Record Creation Time: 20250513T053631+0000

Record Last Update: 20260919T054821+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6-Prf1^{tm1Sdz/J}.

No alerts have been found for C57BL/6-Prf1^{tm1Sdz/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 38 mentions in open access literature.

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

Kaufmann U, et al. (2025) Transcription factor Zfx regulates tumor's evasion to T cell killing in immunotherapy. *iScience*, 28(11), 113842.

Buri MC, et al. (2025) Natural Killer Cell-Mediated Cytotoxicity Shapes the Clonal Evolution of B-cell Leukemia. *Cancer immunology research*, 13(3), 430.

Herrmann C, et al. (2025) Environmental stress drives clearance of a persistent enteric virus in mice. *Nature microbiology*, 10(8), 1975.

Garcia Castillo J, et al. (2025) Cellular mechanisms underlying beneficial versus detrimental effects of bacterial antitumor immunotherapy. *Immunity*, 58(8), 2002.

Liu T, et al. (2024) An axon-T cell feedback loop enhances inflammation and axon degeneration. *Cell reports*, 43(2), 113721.

Kögl T, et al. (2024) Patients and mice with deficiency in the SNARE protein SYNTAXIN-11 have a secondary B cell defect. *The Journal of experimental medicine*, 221(7).

Diamond T, et al. (2023) CXCL9 inhibition does not ameliorate disease in murine models of both primary and secondary hemophagocytic lymphohistiocytosis. *Scientific reports*, 13(1), 12298.

Lim YS, et al. (2023) NK cell-derived extracellular granzyme B drives epithelial ulceration during HSV-2 genital infection. *Cell reports*, 42(4), 112410.

Gutwillig A, et al. (2022) Transient cell-in-cell formation underlies tumor relapse and resistance to immunotherapy. *eLife*, 11.

Wen Y, et al. (2022) Visualizing lymphocytic choriomeningitis virus infection in cells and living mice. *iScience*, 25(10), 105090.

Diamond T, et al. (2022) Familial hemophagocytic lymphohistiocytosis hepatitis is mediated by IFN- γ in a predominantly hepatic-intrinsic manner. *PloS one*, 17(6), e0269553.

Lindsay RS, et al. (2022) NK cells reduce anergic T cell development in early-stage tumors by promoting myeloid cell maturation. *Frontiers in oncology*, 12, 1058894.

Cucolo L, et al. (2022) The interferon-stimulated gene RIPK1 regulates cancer cell intrinsic and extrinsic resistance to immune checkpoint blockade. *Immunity*, 55(4), 671.

Weigelin B, et al. (2021) Cytotoxic T cells are able to efficiently eliminate cancer cells by additive cytotoxicity. *Nature communications*, 12(1), 5217.

Shah D, et al. (2021) A novel miR1983-TLR7-IFN γ circuit licenses NK cells to kill glioma cells, and is under the control of galectin-1. *Oncoimmunology*, 10(1), 1939601.

Bates PD, et al. (2021) Combining Immunocytokine and Ex Vivo Activated NK Cells as a Platform for Enhancing Graft-Versus-Tumor Effects Against GD2+ Murine Neuroblastoma. *Frontiers in immunology*, 12, 668307.

Zhang S, et al. (2021) Hematopoietic cell-mediated dissemination of murine cytomegalovirus is regulated by NK cells and immune evasion. *PLoS pathogens*, 17(1), e1009255.

Mormino A, et al. (2021) Histone-deacetylase 8 drives the immune response and the growth of glioma. *Glia*, 69(11), 2682.

Diaz-Salazar C, et al. (2020) Coordinated Viral Control by Cytotoxic Lymphocytes Ensures Optimal Adaptive NK Cell Responses. *Cell reports*, 32(12), 108186.

Garofalo S, et al. (2020) Natural killer cells modulate motor neuron-immune cell cross talk in models of Amyotrophic Lateral Sclerosis. *Nature communications*, 11(1), 1773.