

Resource Summary Report

Generated by [nidm-terms](#) on Jul 28, 2026

C57BL/6J-Ptprc^{em6}Lutzy/J

RRID:IMSR_JAX:033076

Type: Organism

Proper Citation

RRID:IMSR_JAX:033076

Organism Information

URL: <https://www.jax.org/strain/033076>

Proper Citation: RRID:IMSR_JAX:033076

Description: Mus musculus with name C57BL/6J-Ptprc^{em6}Lutzy/J from IMSR.

Species: Mus musculus

Synonyms: JAXBoy

Notes: gene symbol note: protein tyrosine phosphatase receptor type C; coisogenic strain|mutant strain: Ptprc

Affected Gene: protein tyrosine phosphatase receptor type C

Genomic Alteration: endonuclease-mediated mutation 6; Cathy Lutz

Catalog Number: JAX:033076

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: C57BL/6J-Ptprc^{em6}Lutzy/J

Record Creation Time: 20250513T053833+0000

Record Last Update: 20260725T044530+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6J-Ptprc^{em6}Lutzy/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 20 mentions in open access literature.

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

Herbrich S, et al. (2026) TET2-mutant clonal hematopoiesis enhances macrophage antigen presentation and improves immune checkpoint therapy in solid tumors. *Cancer cell*, 44(1), 187.

Lauver MD, et al. (2025) The CXCR6-CXCL16 axis mediates T cell control of polyomavirus infection in the kidney. *PLoS pathogens*, 21(3), e1012969.

Canaday LM, et al. (2025) Refined cell transfer model reveals roles for Ascl2 and Cxcr3 in splenic localization of mouse NK cells during virus infection. *Journal of immunology* (Baltimore, Md. : 1950), 214(8), 1917.

Murphy MK, et al. (2025) The transcriptional repressor BLIMP1 enforces TCF-1-dependent and -independent restriction of the memory fate of CD8+ T cells. *Immunity*, 58(10), 2472.

Zhou YD, et al. (2025) T cell fate is dictated by different antigen presenting cells in response to dietary versus gut epithelial self-antigen. *bioRxiv : the preprint server for biology*.

Yu ZY, et al. (2025) Roles of blood monocytes carrying TREM2R47H mutation in pathogenesis of Alzheimer's disease and its therapeutic potential in APP/PS1 mice. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 21(2), e14402.

Makhijani P, et al. (2025) Amyloid-?-driven Alzheimer's disease reshapes the colonic immune system in mice. *Cell reports*, 116109.

Lombroso SI, et al. (2025) Microglia replacement by peripheral delivery of CSF1R inhibitor-resistant hematopoietic cells. *Molecular therapy : the journal of the American Society of Gene Therapy*.

Longo J, et al. (2025) Glucose-dependent glycosphingolipid biosynthesis fuels CD8+ T cell function and tumor control. *Cell metabolism*, 37(9), 1890.

George-Alexander LMM, et al. (2025) G9a controls plasma cell differentiation through FOXO1 and ETS1 binding site regulatory networks. *Journal of immunology* (Baltimore, Md. : 1950).

Carroll SL, et al. (2025) Identification of distinct cDC2 subpopulations that direct microbiota-specific T cell differentiation. *bioRxiv : the preprint server for biology*.

Jarjour NN, et al. (2025) Collaboration between interleukin-7 and -15 enables adaptation of tissue-resident and circulating memory CD8⁺ T cells to cytokine deficiency. *Immunity*, 58(3), 616.

Wright SS, et al. (2025) Transplantation of gasdermin pores by extracellular vesicles propagates pyroptosis to bystander cells. *Cell*, 188(2), 280.

Gao Y, et al. (2025) T cell cholesterol transport links intestinal immune responses to dietary lipid absorption. *Science (New York, N.Y.)*, 390(6769), eadt4169.

van der Heide V, et al. (2025) Prolonged but finite antigen presentation promotes reversible defects of "helpless" memory CD8⁺ T cells. *Immunity*, 58(7), 1742.

Aldridge DL, et al. (2025) IL-27 limits HSPC differentiation during infection and protects from stem cell exhaustion. *eLife*, 14.

Bowman RL, et al. (2024) In vivo models of subclonal oncogenesis and dependency in hematopoietic malignancy. *Cancer cell*, 42(11), 1955.

Ulibarri MR, et al. (2024) Epithelial organoid supports resident memory CD8 T cell differentiation. *Cell reports*, 43(8), 114621.

Zhang N, et al. (2024) Cell surface RNAs control neutrophil recruitment. *Cell*, 187(4), 846.

Nyberg WA, et al. (2023) An evolved AAV variant enables efficient genetic engineering of murine T cells. *Cell*, 186(2), 446.