

Resource Summary Report

Generated by SPARC SAWG on Aug 13, 2026

CByJ.SJL(B6)-Ptprc^a/J

RRID:IMSR_JAX:006584

Type: Organism

Proper Citation

RRID:IMSR_JAX:006584

Organism Information

URL: <https://www.jax.org/strain/006584>

Proper Citation: RRID:IMSR_JAX:006584

Description: Mus musculus with name CByJ.SJL(B6)-Ptprc^a/J from IMSR.

Species: Mus musculus

Synonyms: CBy.SJL(B6)-Ptprc/J

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

Affected Gene: protein tyrosine phosphatase receptor type C

Genomic Alteration: a variant

Catalog Number: JAX:006584

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: CByJ.SJL(B6)-Ptprc^a/J

Record Creation Time: 20250513T053657+0000

Record Last Update: 20260808T050900+0000

Ratings and Alerts

No rating or validation information has been found for CByJ.SJL(B6)-Ptprc^a/J.

No alerts have been found for CByJ.SJL(B6)-Ptprc^a/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 [SPARC SAWG](#) .

Nelson AJ, et al. (2025) Lung-resident memory B cells maintain allergic IgE responses in the respiratory tract. *Immunity*, 58(4), 875.

Hadebe S, et al. (2025) Immunoglobulin M regulates airway hyperresponsiveness independent of T helper 2 allergic inflammation. *eLife*, 12.

Liu Q, et al. (2024) Circadian-clock-controlled endocrine and cytokine signals regulate multipotential innate lymphoid cell progenitors in the bone marrow. *Cell reports*, 43(5), 114200.

Yeh CH, et al. (2022) Primary germinal center-resident T follicular helper cells are a physiologically distinct subset of CXCR5hiPD-1hi T follicular helper cells. *Immunity*, 55(2), 272.

Zhu Y, et al. (2022) Targeting fatty acid β -oxidation impairs monocyte differentiation and prolongs heart allograft survival. *JCI insight*, 7(7).

Watanabe M, et al. (2022) Antigen-presenting T cells provide critical B7 co-stimulation for thymic iNKT cell development via CD28-dependent trogocytosis. *Cell reports*, 41(9), 111731.

Chen F, et al. (2022) Helminth resistance is mediated by differential activation of recruited monocyte-derived alveolar macrophages and arginine depletion. *Cell reports*, 38(2), 110215.

Christian LS, et al. (2021) Resident memory T cells in tumor-distant tissues fortify against metastasis formation. *Cell reports*, 35(6), 109118.

Wong HS, et al. (2021) A local regulatory T cell feedback circuit maintains immune homeostasis by pruning self-activated T cells. *Cell*, 184(15), 3981.

Choi HS, et al. (2020) Innate Lymphoid Cells Play a Pathogenic Role in Pericarditis. *Cell reports*, 30(9), 2989.

Wang Y, et al. (2020) Tissue-resident macrophages promote extracellular matrix homeostasis in the mammary gland stroma of nulliparous mice. *eLife*, 9.

Renoux F, et al. (2020) The AP1 Transcription Factor Fosl2 Promotes Systemic Autoimmunity and Inflammation by Repressing Treg Development. *Cell reports*, 31(13), 107826.

Zeis P, et al. (2020) In Situ Maturation and Tissue Adaptation of Type 2 Innate Lymphoid Cell Progenitors. *Immunity*, 53(4), 775.

Hou X, et al. (2019) The Cardiac Microenvironment Instructs Divergent Monocyte Fates and Functions in Myocarditis. *Cell reports*, 28(1), 172.

Andersen TK, et al. (2019) Enhanced germinal center reaction by targeting vaccine antigen to major histocompatibility complex class II molecules. *NPJ vaccines*, 4, 9.

Srivastava S, et al. (2019) Logic-Gated ROR1 Chimeric Antigen Receptor Expression Rescues T Cell-Mediated Toxicity to Normal Tissues and Enables Selective Tumor Targeting. *Cancer cell*, 35(3), 489.

Stier MT, et al. (2018) IL-33 promotes the egress of group 2 innate lymphoid cells from the bone marrow. *The Journal of experimental medicine*, 215(1), 263.

Tuttle KD, et al. (2018) TCR signal strength controls thymic differentiation of iNKT cell subsets. *Nature communications*, 9(1), 2650.

Sivick KE, et al. (2018) Magnitude of Therapeutic STING Activation Determines CD8+ T Cell-Mediated Anti-tumor Immunity. *Cell reports*, 25(11), 3074.

Yao Y, et al. (2018) Induction of Autonomous Memory Alveolar Macrophages Requires T Cell Help and Is Critical to Trained Immunity. *Cell*, 175(6), 1634.