

Resource Summary Report

Generated by [PRECISE-TBI](#) on Jul 31, 2026

B6.Cg-Ptprc^a Pepc Tg(TcrLCMV)1Aox/PpmJ

RRID:IMSR_JAX:030450

Type: Organism

Proper Citation

RRID:IMSR_JAX:030450

Organism Information

URL: <https://www.jax.org/strain/030450>

Proper Citation: RRID:IMSR_JAX:030450

Description: Mus musculus with name B6.Cg-Ptprc^a Pepc Tg(TcrLCMV)1Aox/PpmJ from IMSR.

Species: Mus musculus

Synonyms: B6(SJL)-Ptprc [Pepc Tg\(TcrLCMV\)1Aox/PpmJ](#)

Notes: gene symbol note: transgene insertion 1; Annette Oxenius|protein tyrosine phosphatase receptor type C|T cell receptor alpha chain|peptidase C|T cell receptor beta chain; mutant strain|congenic strain: Tg(TcrLCMV)1Aox|Ptprc|Tcra|Pepc|Tcrb

Affected Gene: transgene insertion 1; Annette Oxenius|protein tyrosine phosphatase receptor type C|T cell receptor alpha chain|peptidase C|T cell receptor beta chain

Genomic Alteration: transgene insertion 1; Annette Oxenius|a variant|b variant

Catalog Number: JAX:030450

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Ptprc^a Pepc Tg(TcrLCMV)1Aox/PpmJ

Record Creation Time: 20250513T053815+0000

Record Last Update: 20260725T044518+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Ptprc^a Pepc **Tg(TcrLCMV)1Aox/PpmJ**.

No alerts have been found for B6.Cg-Ptprc^a Pepc **Tg(TcrLCMV)1Aox/PpmJ**.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Sajani A, et al. (2025) Heterogeneity and plasticity of the naïve CD4+ T cell compartment. Research square.

Zhanzak Z, et al. (2025) Identification of indirect CD4+ T cell epitopes associated with transplant rejection provides a target for donor-specific tolerance induction. Immunity, 58(2), 448.

Lamorte S, et al. (2025) Lymph node macrophages drive immune tolerance and resistance to cancer therapy by induction of the immune-regulatory cytokine IL-33. Cancer cell, 43(5), 955.

Kondo T, et al. (2025) Engineering TCR-controlled fuzzy logic into CAR T cells enhances therapeutic specificity. Cell, 188(9), 2372.

Dhenni R, et al. (2025) Macrophages direct location-dependent recall of B cell memory to vaccination. Cell, 188(13), 3477.

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).

Espinosa-Carrasco G, et al. (2023) Intratumoral immune triads are required for adoptive T cell therapy-mediated elimination of solid tumors. bioRxiv : the preprint server for biology.

Meibers HE, et al. (2023) Effector memory T cells induce innate inflammation by triggering DNA damage and a non-canonical STING pathway in dendritic cells. Cell reports, 42(10), 113180.

Shin DS, et al. (2023) Lung injury induces a polarized immune response by self-antigen-specific CD4+ Foxp3+ regulatory T cells. Cell reports, 42(8), 112839.

Harbour JC, et al. (2023) T helper 1 effector memory CD4+ T cells protect the skin from poxvirus infection. Cell reports, 42(5), 112407.

Manhas KR, et al. (2022) Reginoids Modulate Effector T Cell Expression of Mucosal Homing Markers CCR9 and $\alpha 4 \beta 7$ Integrin and Direct Their Migration In Vitro. *Frontiers in immunology*, 13, 746484.

Gerber AN, et al. (2021) The subunits of IL-12, originating from two distinct cells, can functionally synergize to protect against pathogen dissemination in vivo. *Cell reports*, 37(2), 109816.

Pack AD, et al. (2021) Hemozoin-mediated inflammasome activation limits long-lived anti-malarial immunity. *Cell reports*, 36(8), 109586.

Pandey S, et al. (2020) Pairwise Stimulations of Pathogen-Sensing Pathways Predict Immune Responses to Multi-adjuvant Combinations. *Cell systems*, 11(5), 495.