Resource Summary Report

Generated by PRECISE-TBI on Aug 2, 2026

B6.129P2-Tcrb^{tm1Mom} Tcrd/J

RRID:IMSR_JAX:002122
Type: Organism

Proper Citation

RRID:IMSR_JAX:002122

Organism Information

URL: https://www.jax.org/strain/002122

Proper Citation: RRID:IMSR_JAX:002122

Description: Mus musculus with name B6.129P2-Tcrb^{tm1Mom} Tcrd/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: T cell receptor beta chain|T cell receptor delta chain; mutant strain|congenic strain: Tcrb|Tcrd

Affected Gene: T cell receptor beta chain|T cell receptor delta chain

Genomic Alteration: targeted mutation 1; Peter Mombaerts

Catalog Number: JAX:002122

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129P2-Tcrb^{tm1Mom} Tcrd/J

Record Creation Time: 20250513T053629+0000

Record Last Update: 20260801T050334+0000

Ratings and Alerts

No rating or validation information has been found for B6.129P2-Tcrb^{tm1Mom} Tcrd/J.

No alerts have been found for B6.129P2-Tcrb^{tm1Mom} Tcrd/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 33 mentions in open access literature.

Listed below are recent publications. The full list is available at PRECISE-TBI .

Huang X, et al. (2026) Opposing functions of distinct regulatory T cell subsets in colorectal cancer. Immunity, 59(1), 145.

Burrows K, et al. (2025) A gut commensal protozoan determines respiratory disease outcomes by shaping pulmonary immunity. Cell, 188(2), 316.

Risley CA, et al. (2025) Transcription factor T-bet regulates the maintenance and differentiation potential of lymph node and lung effector memory B cell subsets. Immunity, 58(7), 1706.

Luo X, et al. (2025) An interleukin-9-ZBTB18 axis promotes germinal center development of memory B cells. Immunity, 58(4), 861.

Celorrio M, et al. (2025) Short-chain fatty acids are a key mediator of gut microbial regulation of T cell trafficking and differentiation after traumatic brain injury. Experimental neurology, 392, 115349.

Toledo-Teixeira DA, et al. (2025) MyD88 signalling in B cells and antibody responses during Oropouche virus-induced neurological disease in mice. EBioMedicine, 117, 105815.

Shenoy MK, et al. (2025) Breast milk IgG engages the mouse neonatal immune system to instruct responses to gut antigens. Science (New York, N.Y.), 389(6761), eado5294.

Kline SN, et al. (2025) Epicutaneous Staphylococcus aureus initiates cross-tissue IL-36R signaling for neutrophilic lung inflammation in a model of the atopic march. Cell reports, 44(8), 116054.

Shumilov K, et al. (2024) Early depletion of gut microbiota shape oligodendrocyte response after traumatic brain injury. Journal of neuroinflammation, 21(1), 171.

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

Sekiya T, et al. (2024) Tonic TCR and IL-1? signaling mediate phenotypic alterations of naive CD4+ T cells. Cell reports, 43(3), 113954.

Celorrio M, et al. (2024) Short-chain fatty acids are a key mediator of gut microbial regulation of T cell trafficking and differentiation after traumatic brain injury. Research

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Lee CY, et al. (2023) CD8+ T Cells Trigger Auricular Dermatitis and Blepharitis in Mice after Zika Virus Infection in the Absence of CD4+ T Cells. The Journal of investigative dermatology, 143(6), 1031.

Marx AF, et al. (2023) The alarmin interleukin-33 promotes the expansion and preserves the stemness of Tcf-1+ CD8+ T cells in chronic viral infection. Immunity, 56(4), 813.

Muñoz-Ruiz M, et al. (2023) IFN-?-dependent interactions between tissue-intrinsic ?? T cells and tissue-infiltrating CD8 T cells limit allergic contact dermatitis. The Journal of allergy and clinical immunology, 152(6), 1520.

Suzuki M, et al. (2021) Host-microbe cross-talk governs amino acid chirality to regulate survival and differentiation of B cells. Science advances, 7(10).

Zhang H, et al. (2021) Bach2 attenuates IL-2R signaling to control Treg homeostasis and Tfr development. Cell reports, 35(6), 109096.

Dikiy S, et al. (2021) A distal Foxp3 enhancer enables interleukin-2 dependent thymic Treg cell lineage commitment for robust immune tolerance. Immunity, 54(5), 931.

Gern BH, et al. (2021) TGF? restricts expansion, survival, and function of T cells within the tuberculous granuloma. Cell host & microbe, 29(4), 594.

Ito Y, et al. (2021) Staphylococcus cohnii is a potentially biotherapeutic skin commensal alleviating skin inflammation. Cell reports, 35(4), 109052.