

Resource Summary Report

Generated by [NIF](#) on Aug 12, 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 delta chain|T cell receptor beta chain; mutant strain|congenic strain: Tcrd|Tcrb

Affected Gene: T cell receptor delta chain|T cell receptor beta 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: 20260808T050831+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 34 mentions in open access literature.

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

Shein SA, et al. (2026) Selective elimination of circulating effector CD8 T cells via LT β R blockade separates anti-CD137 efficacy from toxicity. *Science advances*, 12(17), eaea8737.

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.

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.

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.

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.

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 β 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 square*.

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.

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

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.

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 β restricts expansion, survival, and function of T cells within the tuberculous granuloma. *Cell host & microbe*, 29(4), 594.