

Resource Summary Report

Generated by PRECISE-TBI on Jul 29, 2026

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

RRID:IMSR_JAX:002118

Type: Organism

Proper Citation

RRID:IMSR_JAX:002118

Organism Information

URL: <https://www.jax.org/strain/002118>

Proper Citation: RRID:IMSR_JAX:002118

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

Species: Mus musculus

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

Affected Gene: T cell receptor beta chain

Genomic Alteration: targeted mutation 1; Peter Mombaerts

Catalog Number: JAX:002118

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

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

Record Creation Time: 20250513T053629+0000

Record Last Update: 20260725T044337+0000

Ratings and Alerts

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

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

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 18 mentions in open access literature.

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

Herbst M, et al. (2025) Cancer-cell-derived cGAMP limits the activity of tumor-associated CD8+ T cells. Cell reports, 44(4), 115510.

Haniuda K, et al. (2025) Mucosal viral infection elicits long-lived IgA responses via type 1 follicular helper T cells. Cell, 188(24), 6774.

Köksal H, et al. (2025) Pre-existing intratumoral stem-like CD8+ T cells drive radiotherapy-induced tumor immunity. Cell reports, 44(4), 115566.

Verma S, et al. (2024) Antigen-level resolution of commensal-specific B cell responses can be enabled by phage display screening coupled with B cell tetramers. Immunity, 57(6), 1428.

Wiesheu R, et al. (2024) IL-27 maintains cytotoxic Ly6C+ ?? T cells that arise from immature precursors. The EMBO journal, 43(14), 2878.

Li X, et al. (2024) MCRS1 sensitizes T cell-dependent immunotherapy by augmenting MHC-I expression in solid tumors. The Journal of experimental medicine, 221(12).

Xia M, et al. (2024) Elevated IL-22 as a result of stress-induced gut leakage suppresses septal neuron activation to ameliorate anxiety-like behavior. Immunity.

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.

Johansson K, et al. (2023) An essential role for miR-15/16 in Treg suppression and restriction of proliferation. Cell reports, 42(10), 113298.

Song W, et al. (2022) Development of Tbet- and CD11c-expressing B cells in a viral infection requires T follicular helper cells outside of germinal centers. Immunity, 55(2), 290.

Doron I, et al. (2021) Human gut mycobiota tune immunity via CARD9-dependent induction of anti-fungal IgG antibodies. Cell, 184(4), 1017.

Stephens WZ, et al. (2021) Epithelial-myeloid exchange of MHC class II constrains immunity and microbiota composition. Cell reports, 37(5), 109916.

Cham LB, et al. (2020) Immunotherapeutic Blockade of CD47 Inhibitory Signaling Enhances Innate and Adaptive Immune Responses to Viral Infection. *Cell reports*, 31(2), 107494.

Yang YH, et al. (2020) Salt Sensing by Serum/Glucocorticoid-Regulated Kinase 1 Promotes Th17-like Inflammatory Adaptation of Foxp3⁺ Regulatory T Cells. *Cell reports*, 30(5), 1515.

Li LX, et al. (2020) *Cryptococcus neoformans* Evades Pulmonary Immunity by Modulating Xylose Precursor Transport. *Infection and immunity*, 88(8).

Mintz MA, et al. (2019) The HVEM-BTLA Axis Restrains T Cell Help to Germinal Center B Cells and Functions as a Cell-Extrinsic Suppressor in Lymphomagenesis. *Immunity*, 51(2), 310.

Biton M, et al. (2018) T Helper Cell Cytokines Modulate Intestinal Stem Cell Renewal and Differentiation. *Cell*, 175(5), 1307.

Tyagi AM, et al. (2018) The Microbial Metabolite Butyrate Stimulates Bone Formation via T Regulatory Cell-Mediated Regulation of WNT10B Expression. *Immunity*, 49(6), 1116.