

Resource Summary Report

Generated by PRECISE-TBI on Sep 16, 2026

B6.Cg-Ptprc^a Cd3e/Orl

RRID:IMSR_EM:09059

Type: Organism

Proper Citation

RRID:IMSR_EM:09059

Organism Information

URL: <https://www.infrafrontier.eu/emma/strain-details/?q=9059>

Proper Citation: RRID:IMSR_EM:09059

Description: Mus musculus with name B6.Cg-Ptprc^a Cd3e/Orl from IMSR.

Species: Mus musculus

Synonyms: C57bl/6-CD3 Epsilon KO Ly5.1

Notes: gene symbol note: CD3 antigen; epsilon polypeptide|protein tyrosine phosphatase receptor type C; mutant strain: Cd3e|Ptprc

Affected Gene: CD3 antigen; epsilon polypeptide|protein tyrosine phosphatase receptor type C

Genomic Alteration: targeted mutation 1; Bernard Malissen|a variant

Catalog Number: EM:09059

Database: European Mouse Mutant Archive

Database Abbreviation: EMMA

Availability: embryo

Organism Name: B6.Cg-Ptprc^a Cd3e/Orl

Record Creation Time: 20250513T062249+0000

Record Last Update: 20260912T065206+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Ptprc^a Cd3e/Orl.

No alerts have been found for B6.Cg-Ptprc^a Cd3e/Orl.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: European Mouse Mutant Archive

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](#) .

Ghosh S, et al. (2026) Chemokine-defined macrophage niches establish spatial organization of tumor immunity. *Nature immunology*, 27(4), 715.

Lai J, et al. (2026) Flt3L-mediated tumor cDC1 expansion enhances immunotherapy by priming stem-like CD8⁺ T cells in lymph nodes. *Nature immunology*, 27(3), 530.

Hashimoto M, et al. (2026) Insights and modulation of RNA polymerase-dependent R-loop and dsRNA in Fanconi anemia hematopoietic stem cells. *JCI insight*, 11(7).

Groetz E, et al. (2026) Stearoyl-CoA desaturase-1 controls the differentiation and antitumoral function of Th9 lymphocytes. *Journal for immunotherapy of cancer*, 14(1).

Jakubzick C, et al. (2025) The Dichotomy of Tumor Control by Recruited and Resident Tumor-Associated Macrophages. *Research square*.

Xu C, et al. (2024) Selective regulation of IFN- γ and IL-4 co-producing unconventional T cells by purinergic signaling. *The Journal of experimental medicine*, 221(12).

Laletin V, et al. (2024) DOK1 and DOK2 regulate CD8 T cell signaling and memory formation without affecting tumor cell killing. *Scientific reports*, 14(1), 15053.

Tsuruda M, et al. (2024) Bone morphogenetic protein 4 induces hematopoietic stem cell development from murine hemogenic endothelial cells in culture. *Stem cell reports*, 19(12), 1677.

Yang Q, et al. (2024) PPAR γ restrains the suppression function of intra-tumoral Tregs by limiting CIITA-MHC II expression. *bioRxiv : the preprint server for biology*.

Heinzel S, et al. (2024) Survival and division fate programs are preserved but retuned during the naïve to memory CD8⁺ T-cell transition. *Immunology and cell biology*, 102(1), 46.

Ma W, et al. (2024) MITOL deficiency triggers hematopoietic stem cell apoptosis via ER stress response. *The EMBO journal*, 43(3), 339.

Zhao Y, et al. (2024) Intragraft memory-like CD127^{hi}CD4⁺Foxp3⁺ Tregs maintain transplant tolerance. JCI insight, 9(6).

Vanickova K, et al. (2023) Hematopoietic stem cells undergo a lymphoid to myeloid switch in early stages of emergency granulopoiesis. The EMBO journal, 42(23), e113527.

Ishikawa J, et al. (2023) IL-21 is required for the maintenance and pathogenesis of murine V α 4⁺ IL-17-producing $\gamma\delta$ T cells. Frontiers in immunology, 14, 1211620.