Resource Summary Report

Generated by Kravitz on Sep 12, 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: protein tyrosine phosphatase receptor type C|CD3 antigen; epsilon polypeptide; mutant strain: Ptprc|Cd3e

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

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

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: 20260905T053332+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 Kravitz .

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-? 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.

Zhao Y, et al. (2024) Intragraft memory-like CD127hiCD4+Foxp3+ Tregs maintain transplant tolerance. JCI insight, 9(6).

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.

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

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?4+ IL-17-producing ??T cells. Frontiers in immunology, 14, 1211620.