

# Resource Summary Report

Generated by [dkNET](#) on Aug 17, 2026

## B6.Cg-Ptprc<sup>a</sup> 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<sup>a</sup> 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<sup>a</sup> Cd3e/Orl

**Record Creation Time:** 20250513T062249+0000

**Record Last Update:** 20260815T055747+0000

### Ratings and Alerts

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

No alerts have been found for B6.Cg-Ptprc<sup>a</sup> Cd3e/Orl.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** European Mouse Mutant Archive

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## Usage and Citation Metrics

We found 14 mentions in open access literature.

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

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<sup>+</sup> 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- $\gamma$  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 CD127<sup>hi</sup>CD4<sup>+</sup>Foxp3<sup>+</sup> 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<sup>+</sup> 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 $\gamma$  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 $\beta$ 4<sup>+</sup> IL-17-producing  $\gamma\delta$ T cells. *Frontiers in immunology*, 14, 1211620.