

Resource Summary Report

Generated by [NIF](#) on Sep 8, 2026

C57BL/6-Tg(Cd8a-cre)1Itan/J

RRID:IMSR_JAX:008766

Type: Organism

Proper Citation

RRID:IMSR_JAX:008766

Organism Information

URL: <https://www.jax.org/strain/008766>

Proper Citation: RRID:IMSR_JAX:008766

Description: Mus musculus with name C57BL/6-Tg(Cd8a-cre)1Itan/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: transgene insertion 1; Ichiro Taniuchi||CD8 subunit alpha; coisogenic strain: Tg(Cd8a-cre)1Itan||Cd8a

Affected Gene: transgene insertion 1; Ichiro Taniuchi||CD8 subunit alpha

Genomic Alteration: transgene insertion 1; Ichiro Taniuchi

Catalog Number: JAX:008766

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: C57BL/6-Tg(Cd8a-cre)1Itan/J

Record Creation Time: 20250513T053711+0000

Record Last Update: 20260905T044455+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6-Tg(Cd8a-cre)1Itan/J.

No alerts have been found for C57BL/6-Tg(Cd8a-cre)1Itan/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 24 mentions in open access literature.

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

Pohl L, et al. (2026) Serial intravital microscopy reveals temporal dynamics of autoreactive germinal centers in the spleen. *iScience*, 29(4), 115340.

Xie S, et al. (2026) Effector differentiation by stem-like intraepithelial ?? T cells is required for host defense against infection. *Immunity*, 59(3), 577.

Lin S, et al. (2025) SATB1 is a key regulator of quiescence in stem-like CD8+ T cells. *Nature immunology*.

Das Adhikari U, et al. (2025) Immunometabolic defects of CD8+ T cells disrupt gut barrier integrity in people with HIV. *Cell*.

Perez-Quintero LA, et al. (2025) Uncovering the individual immunotherapeutic roles of PTPN1 and PTPN2 in T cells during dual inhibition. *iScience*, 28(10), 113610.

Murter BM, et al. (2025) Pik3ip1/TriP Regulation of PI3K Restricts CD8 T Cell Anti-Tumor Immunity. *bioRxiv : the preprint server for biology*.

Xing Y, et al. (2025) Long-range deployment of tumor-antigen-specific cytotoxic T lymphocytes inhibits lung metastasis of breast cancer. *Developmental cell*.

Phelps CM, et al. (2025) Exercise-induced microbiota metabolite enhances CD8 T cell antitumor immunity promoting immunotherapy efficacy. *Cell*.

Deliyanti D, et al. (2025) Immunotherapy with low-dose IL-2 attenuates vascular injury in mice with diabetic and neovascular retinopathy by restoring the balance between Foxp3+ Tregs and CD8+ T cells. *Diabetologia*, 68(7), 1559.

Rubio RM, et al. (2025) The transcription factor Helios restrains the anti-tumor capacity of CD8+ T cells. *Cell reports*, 44(12), 116680.

Murphy MK, et al. (2025) The transcriptional repressor BLIMP1 enforces TCF-1-dependent and -independent restriction of the memory fate of CD8+ T cells. *Immunity*, 58(10), 2472.

Alicea Pauneto CDM, et al. (2025) Intra-tumoral hypoxia promotes CD8+ T cell dysfunction via chronic activation of integrated stress response transcription factor ATF4. *Immunity*.

Bauer KC, et al. (2024) The Gut Microbiome Controls Liver Tumors via the Vagus Nerve. bioRxiv : the preprint server for biology.

Geels SN, et al. (2024) Protocol to quantify the activation dynamics of tumor-associated T cells in mice by functional intravital microscopy. STAR protocols, 5(4), 103310.

Huseni MA, et al. (2023) CD8+ T cell-intrinsic IL-6 signaling promotes resistance to anti-PD-L1 immunotherapy. Cell reports. Medicine, 4(1), 100878.

Fan H, et al. (2023) Trans-vaccenic acid reprograms CD8+ T cells and anti-tumour immunity. Nature, 623(7989), 1034.

Groeneveldt C, et al. (2023) Intertumoral Differences Dictate the Outcome of TGF- β Blockade on the Efficacy of Viro-Immunotherapy. Cancer research communications, 3(2), 325.

Pandey SP, et al. (2022) Tet2 deficiency drives liver microbiome dysbiosis triggering Tc1 cell autoimmune hepatitis. Cell host & microbe, 30(7), 1003.

Zhang H, et al. (2022) Targeting PARP11 to avert immunosuppression and improve CAR T therapy in solid tumors. Nature cancer, 3(7), 808.

Rosignol J, et al. (2022) Neuropilin-1 cooperates with PD-1 in CD8+ T cells predicting outcomes in melanoma patients treated with anti-PD1. iScience, 25(6), 104353.