

Resource Summary Report

Generated by [kravitz2](#) on Jul 31, 2026

B6(129X1)-Tg(Cd4-cre/ERT2)11Gnri/J

RRID:IMSR_JAX:022356

Type: Organism

Proper Citation

RRID:IMSR_JAX:022356

Organism Information

URL: <https://www.jax.org/strain/022356>

Proper Citation: RRID:IMSR_JAX:022356

Description: Mus musculus with name B6(129X1)-Tg(Cd4-cre/ERT2)11Gnri/J from IMSR.

Species: Mus musculus

Synonyms: C57BL/6-Tg(Cd4-cre/ERT2)11Gnri/J

Notes: gene symbol note: transgene insertion 11; Fotini Gounari|CD4 antigen|Cre recombinase and estrogen receptor 1 (human) fusion gene; mutant strain: Tg(Cd4-cre/ERT2)11Gnri|Cd4|cre/ERT2

Affected Gene: transgene insertion 11; Fotini Gounari|CD4 antigen|Cre recombinase and estrogen receptor 1 (human) fusion gene

Genomic Alteration: transgene insertion 11; Fotini Gounari

Catalog Number: JAX:022356

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6(129X1)-Tg(Cd4-cre/ERT2)11Gnri/J

Record Creation Time: 20250513T053745+0000

Record Last Update: 20260725T044452+0000

Ratings and Alerts

No rating or validation information has been found for B6(129X1)-Tg(Cd4-cre/ERT2)11Gnri/J.

No alerts have been found for B6(129X1)-Tg(Cd4-cre/ERT2)11Gnri/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 23 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Rainwater RR, et al. (2026) DNA-PKcs controls the cytotoxic T cell response to cancer and transplant allograft through regulating LAT-dependent signaling. Cell reports, 45(1), 116796.

Osum KC, et al. (2025) A minority of Th1 and Tfh effector cells express survival genes shared by memory cell progeny that require IL-7 or TCR signaling to persist. Cell reports, 44(1), 115111.

Butic AB, et al. (2025) PD-1 regulates CD4+ T cell-mediated CD8+ T cell responses in the brain to balance viral control and neuroinflammation. bioRxiv : the preprint server for biology.

Shimba A, et al. (2025) Stress-induced glucocorticoids enhance acute inflammation by promoting the differentiation of Th17 cells. Cell reports, 44(8), 116093.

Lim YJ, et al. (2024) MicroRNA-19b exacerbates systemic sclerosis through promoting Th9 cells. Cell reports, 43(8), 114565.

Fahlquist-Hagert C, et al. (2024) T-follicular regulatory cells expand to control germinal center plasma cell output but fail to curb autoreactivity. iScience, 27(10), 110887.

Zou X, et al. (2024) Hypoxia-inducible factor 2 α promotes pathogenic polarization of stem-like Th2 cells via modulation of phospholipid metabolism. Immunity, 57(12), 2808.

Szeto ACH, et al. (2023) An α v β 3 integrin checkpoint is critical for efficient TH2 cell cytokine polarization and potentiation of antigen-specific immunity. Nature immunology, 24(1), 123.

Roberts J, et al. (2023) Retinoic Acid-Related Orphan Receptor γ Is Required for Generation of Th2 Cells in Type 2 Pulmonary Inflammation. Journal of immunology (Baltimore, Md. : 1950), 211(4), 626.

Zhang W, et al. (2022) Steroid nuclear receptor coactivator 2 controls immune tolerance by promoting induced Treg differentiation via up-regulating Nr4a2. *Science advances*, 8(24), eabn7662.

Cortes JR, et al. (2022) Oncogenic Vav1-Myo1f induces therapeutically targetable macrophage-rich tumor microenvironment in peripheral T cell lymphoma. *Cell reports*, 39(3), 110695.

Podschwadt P, et al. (2022) A detailed analysis of F-MuLV- and SFFV-infected cells in Friend virus-infected mice reveals the contribution of both F-MuLV- and SFFV-infected cells to the interleukin-10 host response. *Retrovirology*, 19(1), 29.

Podschwadt P, et al. (2022) Immune suppression of vaccine-induced CD8+ T-cell responses by gamma retrovirus envelope is mediated by interleukin-10-producing CD4+ T cells. *Frontiers in immunology*, 13, 934399.

Yoshimatsu Y, et al. (2022) Aryl hydrocarbon receptor signals in epithelial cells govern the recruitment and location of Helios+ Tregs in the gut. *Cell reports*, 39(6), 110773.

Harada Y, et al. (2022) Intracellular metabolic adaptation of intraepithelial CD4+CD8^{hi} T lymphocytes. *iScience*, 25(4), 104021.

Morianos I, et al. (2021) Activin-A impedes the establishment of CD4+ T cell exhaustion and enhances anti-tumor immunity in the lung. *Journal of experimental & clinical cancer research : CR*, 40(1), 295.

Yoast RE, et al. (2021) The Mitochondrial Ca²⁺ uniporter is a central regulator of interorganellar Ca²⁺ transfer and NFAT activation. *The Journal of biological chemistry*, 297(4), 101174.

Qian Y, et al. (2021) ZEB1 promotes pathogenic Th1 and Th17 cell differentiation in multiple sclerosis. *Cell reports*, 36(8), 109602.

Marks KE, et al. (2021) Toll-like receptor 2 induces pathogenicity in Th17 cells and reveals a role for IPCEF in regulating Th17 cell migration. *Cell reports*, 35(13), 109303.

Bern MD, et al. (2019) Inducible down-regulation of MHC class I results in natural killer cell tolerance. *The Journal of experimental medicine*, 216(1), 99.