Resource Summary Report

Generated by kravitz2 on Aug 30, 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: CD4 antigen|transgene insertion 11; Fotini Gounari|Cre recombinase and estrogen receptor 1 (human) fusion gene; mutant strain: Cd4|Tg(Cd4-cre/ERT2)11Gnri|cre/ERT2

Affected Gene: CD4 antigen|transgene insertion 11; Fotini Gounari|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: 20260829T045047+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 27 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.

Adhikari LP, et al. (2026) Naive CD4+ T cells synthesize a hyaluronan-rich glycocalyx that is diminished following activation. iScience, 29(7), 116407.

de Lima J, et al. (2026) HIF-1?+ CD4+ T cells coordinate a tissue-resident immune cell network in the lung. Immunity, 59(4), 1092.

Lee D, et al. (2026) Interleukin-4-producing type 2 innate lymphoid cells in the lymph node promote proallergic Tfh13 cell differentiation. Immunity, 59(7), 1860.

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.

de Lima J, et al. (2025) HIF-1?+ CD4 T cells coordinate a tissue resident immune cell network in the lung. 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.

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

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.

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

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

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) 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.

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.

Harada Y, et al. (2022) Intracellular metabolic adaptation of intraepithelial CD4+CD8??+ T lymphocytes. iScience, 25(4), 104021.

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.

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.