Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 23, 2025

B6.Cg-Tg(Cd4-cre)1Cwi/BfluJ

RRID:IMSR_JAX:022071
Type: Organism

Proper Citation

RRID:IMSR_JAX:022071

Organism Information

URL: https://www.jax.org/strain/022071

Proper Citation: RRID:IMSR_JAX:022071

Description: Mus musculus with name B6.Cg-Tg(Cd4-cre)1Cwi/BfluJ from IMSR.

Species: Mus musculus

Synonyms: STOCK Tg(Cd4-cre)1Cwi/BfluJ

Notes: gene symbol note: |CD4 antigen|transgene insertion 1; Christopher B Wilson||CD4 antigen|transgene insertion 1; Christopher B Wilson; mutant strain: |Cd4|Tg(Cd4-cre)1Cwi||Cd4|Tg(Cd4-cre)1Cwi

Affected Gene: |CD4 antigen|transgene insertion 1; Christopher B Wilson||CD4 antigen|transgene insertion 1; Christopher B Wilson

Genomic Alteration: transgene insertion 1; Christopher B Wilson

Catalog Number: JAX:022071

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: live

Alternate IDs: IMSR_JAX:22071

Organism Name: B6.Cg-Tg(Cd4-cre)1Cwi/BfluJ

Record Creation Time: 20230509T193316+0000

Record Last Update: 20250412T090631+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(Cd4-cre)1Cwi/BfluJ.

No alerts have been found for B6.Cg-Tg(Cd4-cre)1Cwi/BfluJ.

Data and Source Information

Source: Integrated Animals

Source Database: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 113 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Ding R, et al. (2024) Lactate modulates RNA splicing to promote CTLA-4 expression in tumor-infiltrating regulatory T cells. Immunity, 57(3), 528.

Li X, et al. (2024) Deficiency of CBL and CBLB ubiquitin ligases leads to hyper T follicular helper cell responses and lupus by reducing BCL6 degradation. Immunity, 57(7), 1603.

Vardam-Kaur T, et al. (2024) The ATP-exporting channel Pannexin 1 promotes CD8+ T cell effector and memory responses. iScience, 27(7), 110290.

Bonetti L, et al. (2024) A Th17 cell-intrinsic glutathione/mitochondrial-IL-22 axis protects against intestinal inflammation. Cell metabolism, 36(8), 1726.

Englebert K, et al. (2024) The CD27/CD70 pathway negatively regulates visceral adipose tissue-resident Th2 cells and controls metabolic homeostasis. Cell reports, 43(3), 113824.

Sekiya T, et al. (2024) Tonic TCR and IL-1? signaling mediate phenotypic alterations of naive CD4+ T cells. Cell reports, 43(3), 113954.

Wu MH, et al. (2024) Deleting the mitochondrial respiration negative regulator MCJ enhances the efficacy of CD8+ T cell adoptive therapies in pre-clinical studies. Nature communications, 15(1), 4444.

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

Zhong X, et al. (2024) Disruption of the ZFP574-THAP12 complex suppresses B cell malignancies in mice. Proceedings of the National Academy of Sciences of the United States of America, 121(31), e2409232121.

Zhao F, et al. (2024) GRP75-dependent mitochondria-ER contacts ensure cell survival during early mouse thymocyte development. Developmental cell, 59(19), 2643.

Pitter MR, et al. (2024) PAD4 controls tumor immunity via restraining the MHC class II machinery in macrophages. Cell reports, 43(3), 113942.

Ran L, et al. (2024) The transcription regulator ID3 maintains tumor-specific memory CD8+ T cells in draining lymph nodes during tumorigenesis. Cell reports, 43(9), 114690.

Romero-Carramiñana I, et al. (2024) Ablation of Atp5if1 impairs metabolic reprogramming and proliferation of T lymphocytes and compromises mouse survival. iScience, 27(6), 109863.

Zhou W, et al. (2024) Stem-like progenitor and terminally differentiated TFH-like CD4+ T cell exhaustion in the tumor microenvironment. Cell reports, 43(2), 113797.

Swaminathan S, et al. (2024) LAG-3- and CXCR5-expressing CD4 T cells display progenitor-like properties during chronic visceral leishmaniasis. Cell reports, 43(3), 113879.

Wang C, et al. (2024) Circadian tumor infiltration and function of CD8+ T cells dictate immunotherapy efficacy. Cell, 187(11), 2690.

Lee H, et al. (2023) Inhibition of Pyruvate Dehydrogenase Kinase 4 in CD4+ T Cells Ameliorates Intestinal Inflammation. Cellular and molecular gastroenterology and hepatology, 15(2), 439.

Tarasenko TN, et al. (2023) Pyruvate dehydrogenase complex integrates the metabolome and epigenome in memory T cell differentiation in vitro. Research square.

Jeong J, et al. (2023) Regulation of c-SMAC formation and AKT-mTOR signaling by the TSG101-IFT20 axis in CD4+ T cells. Cellular & molecular immunology, 20(5), 525.

Merchak AR, et al. (2023) The activity of the aryl hydrocarbon receptor in T cells tunes the gut microenvironment to sustain autoimmunity and neuroinflammation. PLoS biology, 21(2), e3002000.