

Resource Summary Report

Generated by T1D on Sep 20, 2026

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

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

Genomic Alteration: transgene insertion 1; Christopher B Wilson

Catalog Number: JAX:022071

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

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

Record Creation Time: 20250513T053744+0000

Record Last Update: 20260919T054931+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: JAX Mice and Services

Usage and Citation Metrics

We found 144 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#).

Zhu JM, et al. (2026) Interleukin-27 remodels the bone marrow niche to suppress B-cell development and leukaemia progression in mouse models. *EBioMedicine*, 127, 106239.

Mochizuki-Ono C, et al. (2026) PLA2G12A-driven extracellular vesicle-lipid signaling amplifies pathogenic T cell responses in inflammatory diseases. *Cell reports*, 45(6), 117391.

Zhu L, et al. (2026) Bach2 antagonizes leukotriene B4-Ltb4r1-JunB signaling to constrain Tfh13 cell differentiation. *Cell reports*, 45(4), 117220.

Jiang C, et al. (2026) TCR-NF- κ B signaling activates the SENP1-NR4A1 axis to fine-tune effector activation of CD8⁺ T cells. *Cell reports*, 45(3), 117102.

Zhang P, et al. (2026) Sympathetic-epithelial crosstalk governs tissue-resident memory T cell immunosurveillance in the skin. *Cell*, 189(5), 1323.

Shein SA, et al. (2026) Selective elimination of circulating effector CD8 T cells via LT β R blockade separates anti-CD137 efficacy from toxicity. *Science advances*, 12(17), eaea8737.

Paiva RA, et al. (2026) MAIT cells egress the thymus at several maturation stages with selective capacity to seed different tissues. *Immunity*, 59(6), 1512.

Patel K, et al. (2026) Chaperone-mediated autophagy is a tumor-suppressive mechanism in hepatocellular carcinoma. *Cell reports*, 45(6), 117390.

Hattori-Muroi K, et al. (2026) Dietary soy shapes the microbiome to induce commensal-specific T follicular helper cells and IgA production. *Immunity*, 59(6), 1616.

Srinivasan T, et al. (2026) The gut microbiota directs vitamin A flux to regulate intestinal T cell development. *Cell host & microbe*.

Xie X, et al. (2026) Eos plays a critical role in Treg homeostasis and modulates the function of recirculating thymic Tregs in the control of Treg development. *Cell reports*, 45(1), 116838.

Zhang ZD, et al. (2026) MITA/STING-driven CD38 induction in Siglec-Flow macrophages promotes regulatory T cell survival and non-small cell lung cancer progression. *Developmental cell*.

Mitchell-Flack M, et al. (2026) The ionotropic AMPA receptor contributes to autoimmunity via altered regulatory T cell differentiation. *iScience*, 29(1), 114267.

Chen HH, et al. (2026) CD38 endows local antigen-specific Treg cells with stress resilience for control of compartmentalized CNS inflammation. *Nature immunology*, 27(3), 516.

Fan H, et al. (2026) Maternal trans-vaccenic acid shapes neonatal T cell development and early-life immune imprinting. *Science (New York, N.Y.)*, 392(6804), eaea4041.

Gao Y, et al. (2025) T cell cholesterol transport links intestinal immune responses to dietary lipid absorption. *Science (New York, N.Y.)*, 390(6769), eadt4169.

Steiner KK, et al. (2025) Mitochondrial fatty acid synthesis and MECR regulate CD4⁺ T cell function and oxidative metabolism. *Journal of immunology (Baltimore, Md. : 1950)*, 214(5), 958.

Aldridge DL, et al. (2025) IL-27 limits HSPC differentiation during infection and protects from stem cell exhaustion. *eLife*, 14.

Yuk CM, et al. (2025) Inositol polyphosphate multikinase regulates Th1 and Th17 cell differentiation by controlling Akt-mTOR signaling. *Cell reports*, 44(2), 115281.

Wang C, et al. (2025) Gut microbe-derived metabolites drive psoriatic inflammation via modulation of skin Th17 cells. *Immunity*, 58(9), 2241.