

Resource Summary Report

Generated by SPARC SAWG on Jul 29, 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: 20260725T044452+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 131 mentions in open access literature.

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

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

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*.

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.

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.

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.

Poddar S, et al. (2025) ArfGAP2 promotes STING proton channel activity, cytokine transit, and autoinflammation. *Cell*, 188(6), 1605.

Wang L, et al. (2025) CLNS1A regulates genome stability and cell cycle progression to control CD4 T cell function and autoimmunity. *Science immunology*, 10(108), eadq8860.

Longo J, et al. (2025) Glucose-dependent glycosphingolipid biosynthesis fuels CD8+ T cell function and tumor control. *Cell metabolism*, 37(9), 1890.

Benamar M, et al. (2025) Notch3 destabilizes regulatory T cells to drive autoimmune neuroinflammation in multiple sclerosis. *Immunity*, 58(11), 2753.

Haniuda K, et al. (2025) Mucosal viral infection elicits long-lived IgA responses via type 1 follicular helper T cells. *Cell*, 188(24), 6774.

Martinez F, et al. (2025) Follicular regulatory T cells promote experimental autoimmune encephalomyelitis by supporting B cell egress from germinal centers. *Science translational medicine*, 17(813), eady1268.

Wang F, et al. (2025) An age-related decrease in leptin contributes to CD8⁺ T cell aging in the tumor microenvironment. *Cell reports. Medicine*, 6(9), 102310.

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

Zhou W, et al. (2025) ILC3s sense gut microbiota through STING to initiate immune tolerance. *Immunity*, 58(7), 1762.

Cho NW, et al. (2025) T Cells Instruct Immune Checkpoint Inhibitor Therapy Resistance in Tumors Responsive to IL1 and TNF?? Inflammation. *Cancer immunology research*, 13(2), 229.

Ma Y, et al. (2025) TMEM41B is an endoplasmic reticulum Ca²⁺ release channel maintaining naive T cell quiescence and responsiveness. *Cell discovery*, 11(1), 18.

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

Garcia Castillo J, et al. (2025) Cellular mechanisms underlying beneficial versus detrimental effects of bacterial antitumor immunotherapy. *Immunity*, 58(8), 2002.