

# Resource Summary Report

Generated by [NIF](#) on Sep 8, 2026

## STOCK Tg(Cd4-cre)1Cwi/BfluJ

RRID:IMSR\_JAX:017336

Type: Organism

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### Proper Citation

RRID:IMSR\_JAX:017336

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### Organism Information

**URL:** <https://www.jax.org/strain/017336>

**Proper Citation:** RRID:IMSR\_JAX:017336

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

**Species:** Mus musculus

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

**Notes:** gene symbol note: transgene insertion 1; Christopher B Wilson|CD4 antigen|;  
mutant stock: 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:017336

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** live

**Organism Name:** STOCK Tg(Cd4-cre)1Cwi/BfluJ

**Record Creation Time:** 20250513T053732+0000

**Record Last Update:** 20260905T044515+0000

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### Ratings and Alerts

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

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

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** JAX Mice and Services

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## Usage and Citation Metrics

We found 57 mentions in open access literature.

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

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.

Dhariwala MO, et al. (2026) Commensal-myeloid crosstalk in neonatal skin regulates interleukin-1 signaling and cutaneous type 17 inflammation. *Immunity*, 59(2), 403.

Geng S, et al. (2026) Krüppel-like factor 2 programs early exhausted T cell states and restrains antiviral immunity. *Immunity*, 59(5), 1306.

Perkins B, et al. (2026) Dnmt3a-dependent de novo DNA methylation enforces lineage commitment and preserves functionality of memory Th1 and Tfh cells. *Cell reports*, 45(3), 117062.

Modares NF, et al. (2025) B cell-derived acetylcholine promotes liver regeneration by regulating Kupffer cell and hepatic CD8<sup>+</sup> T cell function. *Immunity*, 58(5), 1201.

Zhong L, et al. (2025) STIM1-mediated NFAT signaling synergizes with STAT1 to control T-bet expression and TH1 differentiation. *Nature immunology*, 26(3), 484.

Lu C, et al. (2025) Slc7a5 promotes T cell anti-tumor immunity through sustaining cytotoxic T lymphocyte effector function. *Oncogene*.

Herbst M, et al. (2025) Cancer-cell-derived cGAMP limits the activity of tumor-associated CD8<sup>+</sup> T cells. *Cell reports*, 44(4), 115510.

Kim DV, et al. (2025) E. coli-activated cellular circuit restrains intestinal inflammatory microbiota-specific T cells and protects against colitis. *Cell reports*, 44(10), 116332.

Li C, et al. (2025) Integrin CD103 expression in naive CD8<sup>+</sup> T cells promotes cytokine-driven acquisition of memory phenotype and effector function. *Immunity*.

Villa M, et al. (2024) Prostaglandin E2 controls the metabolic adaptation of T cells to the intestinal microenvironment. *Nature communications*, 15(1), 451.

Choi SC, et al. (2024) Glutaminolysis promotes the function of follicular helper T cells in lupus-prone mice. *bioRxiv : the preprint server for biology*.

Savage TM, et al. (2024) Amphiregulin from regulatory T cells promotes liver fibrosis and insulin resistance in non-alcoholic steatohepatitis. *Immunity*, 57(2), 303.

Verma S, et al. (2024) Antigen-level resolution of commensal-specific B cell responses can be enabled by phage display screening coupled with B cell tetramers. *Immunity*, 57(6), 1428.

Villa M, et al. (2023) Prostaglandin E 2 controls the metabolic adaptation of T cells to the intestinal microenvironment. *bioRxiv : the preprint server for biology*.

Bailey C, et al. (2023) Genetic and pharmaceutical targeting of HIF1 $\alpha$  allows combo-immunotherapy to boost graft vs. leukemia without exacerbation graft vs. host disease. *Cell reports. Medicine*, 4(11), 101236.

Sie C, et al. (2022) IL-24 intrinsically regulates Th17 cell pathogenicity in mice. *The Journal of experimental medicine*, 219(8).

Damasceno LEA, et al. (2022) STING is an intrinsic checkpoint inhibitor that restrains the TH17 cell pathogenic program. *Cell reports*, 39(8), 110838.

Bailey CM, et al. (2022) Targeting HIF-1 $\alpha$  abrogates PD-L1-mediated immune evasion in tumor microenvironment but promotes tolerance in normal tissues. *The Journal of clinical investigation*, 132(9).

Merana GR, et al. (2022) Intestinal inflammation alters the antigen-specific immune response to a skin commensal. *Cell reports*, 39(9), 110891.