

# Resource Summary Report

Generated by [dkNET](#) on Sep 23, 2026

## B6N.Cg-Tg(Cd4-cre)1Cwi/TacMmmh

RRID:MMRRC\_037393-MU

Type: Organism

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### Proper Citation

RRID:MMRRC\_037393-MU

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### Organism Information

**URL:** [https://www.mmrrc.org/catalog/sds.php?mmrrc\\_id=37393](https://www.mmrrc.org/catalog/sds.php?mmrrc_id=37393)

**Proper Citation:** RRID:MMRRC\_037393-MU

**Description:** Mus musculus with name B6N.Cg-Tg(Cd4-cre)1Cwi/TacMmmh from MMRRC.

**Species:** Mus musculus

**Notes:** Research areas: Immunology and Inflammation; Mutation Type: Transgenic ; Collection:

**Affected Gene:** Cd4cre

**Catalog Number:** 037393-MU

**Background:** Transgenic

**Database:** Mutant Mouse Resource and Research Center (MMRRC)

**Database Abbreviation:** MMRRC

**Source References:** [PMID:11728338](#)

**Alternate IDs:** MMRRC\_37393-MU, MMRRC\_037393, MMRRC\_37393

**Organism Name:** B6N.Cg-Tg(Cd4-cre)1Cwi/TacMmmh

**Record Creation Time:** 20230308T055150+0000

**Record Last Update:** 20260919T133938+0000

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### Ratings and Alerts

No rating or validation information has been found for B6N.Cg-Tg(Cd4-cre)<sup>1</sup>Cwi/TacMmmh.

No alerts have been found for B6N.Cg-Tg(Cd4-cre)<sup>1</sup>Cwi/TacMmmh.

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## Data and Source Information

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

**Source Database:** Mutant Mouse Resource and Research Center (MMRRC)

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## Usage and Citation Metrics

We found 45 mentions in open access literature.

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

Li M, et al. (2026) SAICAR Drives T Regulatory Cell Differentiation and FOXP3 Maintenance to Promote Immunotherapy Resistance. *Cancer research*, 86(9), 2218.

Sun H, et al. (2025) Id2 exacerbates the development of rheumatoid arthritis by increasing IFN- $\gamma$  production in CD4<sup>+</sup> T cells. *Clinical and translational medicine*, 15(3), e70242.

Choi SH, et al. (2025) Piezo1 restrains proinflammatory response but is essential in T-cell-mediated immunopathology. *Journal of leukocyte biology*, 117(3).

Xiong X, et al. (2025) PDZ domains of PATJ facilitate immunological synapse formation to promote T cell activation. *Journal for immunotherapy of cancer*, 13(5).

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

Li H, et al. (2025) RNA cytidine acetyltransferase NAT10 maintains T cell pathogenicity in inflammatory bowel disease. *Cell discovery*, 11(1), 19.

Tang WW, et al. (2025) A microRNA-regulated transcriptional state defines intratumoral CD8<sup>+</sup> T cells that respond to immunotherapy. *Cell reports*, 44(2), 115301.

Onji M, et al. (2025) RANK drives structured intestinal epithelial expansion during pregnancy. *Nature*, 637(8044), 156.

Sasaki T, et al. (2025) Clonal relationships between Tph and Tfh cells in patients with SLE and in murine lupus. *bioRxiv : the preprint server for biology*.

Choi SC, et al. (2024) Lupus susceptibility gene Pbx1 controls the development, stability, and function of regulatory T cells via Rtkn2 expression. *Science advances*, 10(13), eadi4310.

Kim JE, et al. (2024) Soluble PD-L1 reprograms blood monocytes to prevent cerebral edema and facilitate recovery after ischemic stroke. *Brain, behavior, and immunity*, 116, 160.

Abushahba MFN, et al. (2024) Contrasting roles for IgM and B-cell MHCII expression in *Brucella abortus* S19 vaccine-mediated efficacy against *B. melitensis* infection. *mSphere*, 9(3), e0075023.

Fang Q, et al. (2024) Development of a PCSK9-targeted nanoparticle vaccine to effectively decrease the hypercholesterolemia. *Cell reports. Medicine*, 5(6), 101614.

Huang N, et al. (2024) Rab4A-directed endosome traffic shapes pro-inflammatory mitochondrial metabolism in T cells via mitophagy, CD98 expression, and kynurenine-sensitive mTOR activation. *Nature communications*, 15(1), 2598.

Chen X, et al. (2024) JNK Pathway-Associated Phosphatase Deficiency Facilitates Atherosclerotic Progression by Inducing T-Helper 1 and 17 Polarization and Inflammation in an ERK- and NF- $\kappa$ B Pathway-Dependent Manner. *Journal of atherosclerosis and thrombosis*, 31(10), 1460.

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

Szeto ACH, et al. (2024) Mef2d potentiates type-2 immune responses and allergic lung inflammation. *Science (New York, N.Y.)*, 384(6703), eadl0370.

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

Lalle G, et al. (2024) NF- $\kappa$ B subunits RelA and c-Rel selectively control CD4<sup>+</sup> T cell function in multiple sclerosis and cancer. *The Journal of experimental medicine*, 221(6).

Zeng S, et al. (2024) Local TSH/TSHR signaling promotes CD8<sup>+</sup> T cell exhaustion and immune evasion in colorectal carcinoma. *Cancer communications (London, England)*, 44(11), 1287.