

Resource Summary Report

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B6.Cg-Tg(Lck-cre)548Jxm/J

RRID:IMSR_JAX:003802

Type: Organism

Proper Citation

RRID:IMSR_JAX:003802

Organism Information

URL: <https://www.jax.org/strain/003802>

Proper Citation: RRID:IMSR_JAX:003802

Description: Mus musculus with name B6.Cg-Tg(Lck-cre)548Jxm/J from IMSR.

Species: Mus musculus

Synonyms: B6.Cg-TgN(LckCre)548Jxm. B6.Cg-TgN(Lck-Cre)548Jxm

Notes: gene symbol note: |transgene insertion 548; Jamey Marth|lck proto-oncogene; Src family tyrosine kinase; mutant strain|congenic strain: |Tg(Lck-cre)548Jxm|Lck

Affected Gene: |transgene insertion 548; Jamey Marth|lck proto-oncogene; Src family tyrosine kinase

Genomic Alteration: transgene insertion 548; Jamey Marth

Catalog Number: JAX:003802

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Tg(Lck-cre)548Jxm/J

Record Creation Time: 20250513T053641+0000

Record Last Update: 20260725T044350+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(Lck-cre)548Jxm/J.

No alerts have been found for B6.Cg-Tg(Lck-cre)548Jxm/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 31 mentions in open access literature.

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

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

Cohen JA, et al. (2025) KMT2D coordinates antiviral CD4⁺ T cell responses through opposing effects on T follicular helper and cytotoxic gene expression. *Cell reports*, 44(6), 115775.

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

Zhang J, et al. (2024) Osr2 functions as a biomechanical checkpoint to aggravate CD8⁺ T cell exhaustion in tumor. *Cell*, 187(13), 3409.

Nguyen TTT, et al. (2023) Stimulation of ectopically expressed muscarinic receptors induces IFN- γ but suppresses IL-2 production by inhibiting activation of pAKT pathways in primary T cells. *Proceedings of the National Academy of Sciences of the United States of America*, 120(25), e2300987120.

Wang Y, et al. (2023) ?? T cell-intrinsic IL-1R promotes survival during *Staphylococcus aureus* bacteremia. *Frontiers in immunology*, 14, 1171934.

Li W, et al. (2023) Paxbp1 is indispensable for the survival of CD4 and CD8 double-positive thymocytes. *Frontiers in immunology*, 14, 1183367.

Ma L, et al. (2023) Vaccine-boosted CAR T crosstalk with host immunity to reject tumors with antigen heterogeneity. *Cell*, 186(15), 3148.

Watanabe M, et al. (2022) Antigen-presenting T cells provide critical B7 co-stimulation for thymic iNKT cell development via CD28-dependent trogocytosis. *Cell reports*, 41(9), 111731.

Wang X, et al. (2022) Zinc finger protein Zfp335 controls early T-cell development and survival through γ -selection-dependent and -independent mechanisms. *eLife*, 11.

Kreutmair S, et al. (2022) NIPA (Nuclear Interaction Partner of ALK) Is Crucial for Effective NPM-ALK Mediated Lymphomagenesis. *Frontiers in oncology*, 12, 875117.

Sun Z, et al. (2022) Neuroinflammatory disease disrupts the blood-CNS barrier via crosstalk between proinflammatory and endothelial-to-mesenchymal-transition signaling. *Neuron*, 110(19), 3106.

Wong CK, et al. (2022) Divergent roles for the gut intraepithelial lymphocyte GLP-1R in control of metabolism, microbiota, and T cell-induced inflammation. *Cell metabolism*, 34(10), 1514.

Sibilio A, et al. (2022) Immune translational control by CPEB4 regulates intestinal inflammation resolution and colorectal cancer development. *iScience*, 25(2), 103790.

Rousseau AS, et al. (2021) Invalidation of the Transcriptional Modulator of Lipid Metabolism PPAR γ in T Cells Prevents Age-Related Alteration of Body Composition and Loss of Endurance Capacity. *Frontiers in physiology*, 12, 587753.

Rudak PT, et al. (2021) Chronic stress physically spares but functionally impairs innate-like invariant T cells. *Cell reports*, 35(2), 108979.

Mitchell JE, et al. (2021) UTX promotes CD8⁺ T cell-mediated antiviral defenses but reduces T cell durability. *Cell reports*, 35(2), 108966.

Lu C, et al. (2020) p50 suppresses cytotoxic T lymphocyte effector function to regulate tumor immune escape and response to immunotherapy. *Journal for immunotherapy of cancer*, 8(2).

Xufeng R, et al. (2020) RNA editing enzyme ADAR1 is required for early T cell development. *Blood science (Baltimore, Md.)*, 2(1), 27.

Wilhelmson AS, et al. (2020) Androgen Receptors in Epithelial Cells Regulate Thymopoiesis and Recent Thymic Emigrants in Male Mice. *Frontiers in immunology*, 11, 1342.