

Resource Summary Report

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C57BL/6-Tg(Nr4a1-EGFP/cre)820Khog/J

RRID:IMSR_JAX:016617

Type: Organism

Proper Citation

RRID:IMSR_JAX:016617

Organism Information

URL: <https://www.jax.org/strain/016617>

Proper Citation: RRID:IMSR_JAX:016617

Description: Mus musculus with name C57BL/6-Tg(Nr4a1-EGFP/cre)820Khog/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: transgene insertion 820; Kristin A Hogquist||nuclear receptor subfamily 4; group A; member 1; mutant strain: Tg(Nr4a1-EGFP/cre)820Khog||Nr4a1

Affected Gene: transgene insertion 820; Kristin A Hogquist||nuclear receptor subfamily 4; group A; member 1

Genomic Alteration: transgene insertion 820; Kristin A Hogquist

Catalog Number: JAX:016617

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: C57BL/6-Tg(Nr4a1-EGFP/cre)820Khog/J

Record Creation Time: 20250513T053730+0000

Record Last Update: 20260725T044439+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6-Tg(Nr4a1-EGFP/cre)820Khog/J.

No alerts have been found for C57BL/6-Tg(Nr4a1-EGFP/cre)820Khog/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 39 mentions in open access literature.

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

Tatsumi N, et al. (2025) CD301b+ dendritic cell-derived IL-2 dictates CD4+ T helper cell differentiation. Nature communications, 16(1), 2002.

Eberhard JN, et al. (2025) Immune targeting and host-protective effects of the latent stage of Toxoplasma gondii. Nature microbiology, 10(4), 992.

Yang X, et al. (2025) Nociceptor-derived CGRP enhances dermal type I conventional dendritic cell function to drive autoreactive CD8+ T cell responses in vitiligo. Immunity, 58(8), 2086.

You S, et al. (2024) Lymphatic-localized Treg-mregDC crosstalk limits antigen trafficking and restrains anti-tumor immunity. Cancer cell, 42(8), 1415.

Witt LT, et al. (2024) Streptococcus agalactiae and Escherichia coli induce distinct effector ?? T cell responses during neonatal sepsis. iScience, 27(5), 109669.

Sekiya T, et al. (2024) Tonic TCR and IL-1? signaling mediate phenotypic alterations of naive CD4+ T cells. Cell reports, 43(3), 113954.

Pankhurst TE, et al. (2023) MAIT cells activate dendritic cells to promote TFH cell differentiation and induce humoral immunity. Cell reports, 42(4), 112310.

Heim TA, et al. (2023) CXCR6 promotes dermal CD8 + T cell survival and transition to long-term tissue residence. bioRxiv : the preprint server for biology.

Li Y, et al. (2023) CCR4 and CCR7 differentially regulate thymocyte localization with distinct outcomes for central tolerance. eLife, 12.

Mandarano AH, et al. (2023) DRAK2 contributes to type 1 diabetes by negatively regulating IL-2 sensitivity to alter regulatory T cell development. Cell reports, 42(2), 112106.

Kaminski A, et al. (2023) Resident regulatory T cells reflect the immune history of individual lymph nodes. *Science immunology*, 8(89), eadj5789.

Huang H, et al. (2023) A binary module for microbiota-mediated regulation of $\gamma\delta$ 17 cells, hallmarked by microbiota-driven expression of programmed cell death protein 1. *Cell reports*, 42(8), 112951.

Chen ST, et al. (2023) B cell receptor signaling in germinal centers prolongs survival and primes B cells for selection. *Immunity*, 56(3), 547.

Muñoz-Ruiz M, et al. (2023) IFN- γ -dependent interactions between tissue-intrinsic $\gamma\delta$ T cells and tissue-infiltrating CD8 T cells limit allergic contact dermatitis. *The Journal of allergy and clinical immunology*, 152(6), 1520.

Lindsay RS, et al. (2022) NK cells reduce anergic T cell development in early-stage tumors by promoting myeloid cell maturation. *Frontiers in oncology*, 12, 1058894.

Somani VK, et al. (2022) IRAK4 Signaling Drives Resistance to Checkpoint Immunotherapy in Pancreatic Ductal Adenocarcinoma. *Gastroenterology*, 162(7), 2047.

Kovacs MA, et al. (2022) Meningeal lymphatic drainage promotes T cell responses against *Toxoplasma gondii* but is dispensable for parasite control in the brain. *eLife*, 11.

Bittner S, et al. (2022) Biosensors for inflammation as a strategy to engineer regulatory T cells for cell therapy. *Proceedings of the National Academy of Sciences of the United States of America*, 119(40), e2208436119.

Emoto T, et al. (2022) Colony stimulating factor-1 producing endothelial cells and mesenchymal stromal cells maintain monocytes within a perivascular bone marrow niche. *Immunity*, 55(5), 862.

Christian DA, et al. (2022) cDC1 coordinate innate and adaptive responses in the omentum required for T cell priming and memory. *Science immunology*, 7(75), eabq7432.