

Resource Summary Report

Generated by [RRID](#) on Jul 29, 2026

B6.Cg-Tg(Lck-icre)3779Nik/J

RRID:IMSR_JAX:012837

Type: Organism

Proper Citation

RRID:IMSR_JAX:012837

Organism Information

URL: <https://www.jax.org/strain/012837>

Proper Citation: RRID:IMSR_JAX:012837

Description: Mus musculus with name B6.Cg-Tg(Lck-icre)3779Nik/J from IMSR.

Species: Mus musculus

Synonyms: B6.Cg-Tg(Lck-cre)3779Nik/J

Notes: gene symbol note: transgene insertion 3779; Nigel Killeen||lck proto-oncogene; Src family tyrosine kinase; mutant strain|congenic strain: Tg(Lck-icre)3779Nik||Lck

Affected Gene: transgene insertion 3779; Nigel Killeen||lck proto-oncogene; Src family tyrosine kinase

Genomic Alteration: transgene insertion 3779; Nigel Killeen

Catalog Number: JAX:012837

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Tg(Lck-icre)3779Nik/J

Record Creation Time: 20250513T053722+0000

Record Last Update: 20260725T044431+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(Lck-icre)3779Nik/J.

No alerts have been found for B6.Cg-Tg(Lck-icre)3779Nik/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 85 mentions in open access literature.

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

Meng C, et al. (2025) ZDHHC21-driven S-palmitoylation of Themis regulates the function of T cells and maintains homeostatic balance. *Cell communication and signaling : CCS*, 23(1), 401.

Lei Y, et al. (2025) LncBADR promotes T cell-mediated autoimmunity by binding Mccc1 and Pcca to regulate BCAAs degradation. *Journal of neuroinflammation*, 22(1), 213.

De Juan A, et al. (2025) Physiological activation of Aryl hydrocarbon receptor by food-derived ligands is essential for the efficacy of anti-PD1 therapy. *Nature communications*, 16(1), 10598.

Immormino RM, et al. (2025) Deficiency of H3K27 histone demethylase UTX in T cells blunts allergic sensitization and anaphylaxis to peanut. *ImmunoHorizons*, 9(4).

Niekamp P, et al. (2025) The Nuclear Receptor NR1B1/RAR γ Arrests the Differentiation of Anti-Tumor Effector Cytotoxic T Cells. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 12(17), e2410241.

Osum KC, et al. (2025) A minority of Th1 and Tfh effector cells express survival genes shared by memory cell progeny that require IL-7 or TCR signaling to persist. *Cell reports*, 44(1), 115111.

Jiménez-Lasheras B, et al. (2025) NEDDylation Regulates CD8⁺ T-cell Metabolism and Antitumor Immunity. *Cancer immunology research*, 13(7), 1004.

Tu J, et al. (2024) Positive feedback loop PU.1-IL9 in Th9 promotes rheumatoid arthritis development. *Annals of the rheumatic diseases*, 83(12), 1707.

Mittal P, et al. (2024) PHF6 cooperates with SWI/SNF complexes to facilitate transcriptional progression. *Nature communications*, 15(1), 7303.

Wang L, et al. (2024) T-bet deficiency and Hic1 induction override TGF- β -dependency in the formation of CD103⁺ intestine-resident memory CD8⁺ T cells. *Cell reports*, 43(6), 114258.

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

Liu Z, et al. (2023) Epigenetic reprogramming of Runx3 reinforces CD8 + T-cell function and improves the clinical response to immunotherapy. *Molecular cancer*, 22(1), 84.

Medler TR, et al. (2023) Myeloid MyD88 restricts CD8+ T cell response to radiation therapy in pancreatic cancer. *Scientific reports*, 13(1), 8634.

Wang T, et al. (2023) Tox4 regulates transcriptional elongation and reinitiation during murine T cell development. *Communications biology*, 6(1), 613.

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.

Yang TT, et al. (2023) SENP2 restrains the generation of pathogenic Th17 cells in mouse models of colitis. *Communications biology*, 6(1), 629.

Duesman SJ, et al. (2023) Transforming growth factor receptor III (Betaglycan) regulates the generation of pathogenic Th17 cells in EAE. *Frontiers in immunology*, 14, 1088039.

Ding C, et al. (2022) RNA m6A demethylase ALKBH5 regulates the development of ?? T cells. *Proceedings of the National Academy of Sciences of the United States of America*, 119(33), e2203318119.

Wang H, et al. (2022) mTOR Modulates the Endoplasmic Reticulum Stress-Induced CD4+ T Cell Apoptosis Mediated by ROS in Septic Immunosuppression. *Mediators of inflammation*, 2022, 6077570.

Wang H, et al. (2022) mTOR deletion ameliorates CD4 + T cell apoptosis during sepsis by improving autophagosome-lysosome fusion. *Apoptosis : an international journal on programmed cell death*, 27(5-6), 401.