

Resource Summary Report

Generated by [NIF](#) on Aug 26, 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: 20260815T050633+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 89 mentions in open access literature.

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

Zhang M, et al. (2026) MYC-induced USP10 stabilizes SOX4 to promote thymocyte proliferation and leukemia onset in mice. Nature communications, 17(1).

de Blas A, et al. (2026) Enhancing Proteasome Activity in T Cells Alleviates Exhaustion and Improves Antitumor Immunity. Cancer research, 86(12), 2896.

Shamriz O, et al. (2025) NDUFS4, a mitochondrial complex I subunit, is essential for T-cell metabolic fitness and immune function. Frontiers in immunology, 16, 1734203.

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.

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.

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.

Wang S, et al. (2025) IL-17a induces age-related olfactory dysfunction by impairing regeneration and promoting respiratory metaplasia in mice. Nature communications, 17(1), 1036.

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.

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.