Resource Summary Report

Generated by kravitz2 on Sep 6, 2026

B6.129S1-Nt5e^{tm1Lft}/J

RRID:IMSR_JAX:018986
Type: Organism

Proper Citation

RRID:IMSR_JAX:018986

Organism Information

URL: https://www.jax.org/strain/018986

Proper Citation: RRID:IMSR_JAX:018986

Description: Mus musculus with name B6.129S1-Nt5e^{tm1Lft}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: 5' nucleotidase; ecto; mutant strain|congenic strain: Nt5e

Affected Gene: 5' nucleotidase; ecto

Genomic Alteration: targeted mutation 1; Linda F Thompson

Catalog Number: JAX:018986

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129S1-Nt5e^{tm1Lft}/J

Record Creation Time: 20250513T053739+0000

Record Last Update: 20260905T044521+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S1-Nt5e^{tm1Lft}/J.

No alerts have been found for B6.129S1-Nt5e^{tm1Lft}/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 18 mentions in open access literature.

Listed below are recent publications. The full list is available at kravitz2 .

Luan P, et al. (2026) A reciprocal glial circuit calibrates injury information and governs the tissue response balance. Neuron.

McClellan BL, et al. (2025) Reprogramming the Immune Suppressive Tumor Microenvironment in Glioma Enhances the Efficacy of Immune-Mediated Gene Therapy. bioRxiv : the preprint server for biology.

Bayazitov IT, et al. (2024) Sound-evoked adenosine release in cooperation with neuromodulatory circuits permits auditory cortical plasticity and perceptual learning. Cell reports, 43(2), 113758.

Peng W, et al. (2023) Adenosine-independent regulation of the sleep-wake cycle by astrocyte activity. Cell discovery, 9(1), 16.

Allard D, et al. (2023) The CD73 immune checkpoint promotes tumor cell metabolic fitness. eLife, 12.

Kelestemur T, et al. (2023) Adenosine metabolized from extracellular ATP ameliorates organ injury by triggering A2BR signaling. Respiratory research, 24(1), 186.

Cuevas RA, et al. (2023) Ecto-5'-nucleotidase (Nt5e/CD73)-mediated adenosine signaling attenuates TGF?-2 induced elastin and cellular contraction. American journal of physiology. Cell physiology, 324(2), C327.

Rosin DL, et al. (2022) Human Recombinant Alkaline Phosphatase (Ilofotase Alfa) Protects Against Kidney Ischemia-Reperfusion Injury in Mice and Rats Through Adenosine Receptors. Frontiers in medicine, 9, 931293.

Piovesan D, et al. (2022) Targeting CD73 with AB680 (Quemliclustat), a Novel and Potent Small-Molecule CD73 Inhibitor, Restores Immune Functionality and Facilitates Antitumor Immunity. Molecular cancer therapeutics, 21(6), 948.

Thapa A, et al. (2022) Extracellular Adenosine (eAdo) - A2B Receptor Axis Inhibits in Nlrp3 Inflammasome-dependent Manner Trafficking of Hematopoietic Stem/progenitor Cells. Stem cell reviews and reports, 18(8), 2893.

Dai H, et al. (2022) Treg suppression of immunity within inflamed allogeneic grafts. JCI insight, 7(16).

Briceño P, et al. (2021) CD73 Ectonucleotidase Restrains CD8+ T Cell Metabolic Fitness and Anti-tumoral Activity. Frontiers in cell and developmental biology, 9, 638037.

Rosemblatt MV, et al. (2021) Ecto-5'-Nucleotidase (CD73) Regulates the Survival of CD8+ T Cells. Frontiers in cell and developmental biology, 9, 647058.

Xue G, et al. (2021) Elimination of acquired resistance to PD-1 blockade via the concurrent depletion of tumour cells and immunosuppressive cells. Nature biomedical engineering, 5(11), 1306.

Badimon A, et al. (2020) Negative feedback control of neuronal activity by microglia. Nature, 586(7829), 417.

Severe N, et al. (2019) Stress-Induced Changes in Bone Marrow Stromal Cell Populations Revealed through Single-Cell Protein Expression Mapping. Cell stem cell, 25(4), 570.

Adamiak M, et al. (2018) Novel evidence that extracellular nucleotides and purinergic signaling induce innate immunity-mediated mobilization of hematopoietic stem/progenitor cells. Leukemia, 32(9), 1920.

Hirata Y, et al. (2018) CD150high Bone Marrow Tregs Maintain Hematopoietic Stem Cell Quiescence and Immune Privilege via Adenosine. Cell stem cell, 22(3), 445.