Resource Summary Report

Generated by nidm-terms on Aug 10, 2026

B6.129S2-Cd8a^{tm1Mak}/J

RRID:IMSR_JAX:002665
Type: Organism

Proper Citation

RRID:IMSR_JAX:002665

Organism Information

URL: https://www.jax.org/strain/002665

Proper Citation: RRID:IMSR_JAX:002665

Description: Mus musculus with name B6.129S2-Cd8a^{tm1Mak}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: CD8 subunit alpha; mutant strain|congenic strain: Cd8a

Affected Gene: CD8 subunit alpha

Genomic Alteration: targeted mutation 1; Tak Mak

Catalog Number: JAX:002665

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129S2-Cd8a^{tm1Mak}/J

Record Creation Time: 20250513T053634+0000

Record Last Update: 20260808T050835+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S2-Cd8a^{tm1Mak}/J.

No alerts have been found for B6.129S2-Cd8a^{tm1Mak}/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 99 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

Schmiechen ZC, et al. (2026) Treg cells promote immunotherapy-induced immune evasion by restraining CD4 T cell control of MHC-I-deficient metastatic pancreatic cancer. Science immunology, 11(120), eadz4302.

Ökten AB, et al. (2026) IgA is necessary and sufficient to prevent norovirus infection in mice. Science translational medicine, 18(855), eaeb4878.

Shimizu K, et al. (2025) Distinct TAM subset with cross-dressing capability determines the bifurcation of tumor immunity. Cell reports, 44(6), 115800.

Herrmann C, et al. (2025) Environmental stress drives clearance of a persistent enteric virus in mice. Nature microbiology, 10(8), 1975.

Sharma P, et al. (2025) Smoking-induced gut microbial dysbiosis mediates cancer progression through modulation of anti-tumor immune response. iScience, 28(3), 112002.

Schiele P, et al. (2025) CD8+ T cell-derived CD40L mediates noncanonical cytotoxicity in CD40-expressing cancer cells. Science advances, 11(21), eadr9331.

Purbey PK, et al. (2024) Opposing tumor-cell-intrinsic and -extrinsic roles of the IRF1 transcription factor in antitumor immunity. Cell reports, 43(6), 114289.

Xue G, et al. (2024) Clinical drug screening reveals clofazimine potentiates the efficacy while reducing the toxicity of anti-PD-1 and CTLA-4 immunotherapy. Cancer cell.

Mahadevan KK, et al. (2024) Type I conventional dendritic cells facilitate immunotherapy in pancreatic cancer. Science (New York, N.Y.), 384(6703), eadh4567.

Ran L, et al. (2024) The transcription regulator ID3 maintains tumor-specific memory CD8+ T cells in draining lymph nodes during tumorigenesis. Cell reports, 43(9), 114690.

Abdelwahab T, et al. (2023) Cytotoxic CNS-associated T cells drive axon degeneration by targeting perturbed oligodendrocytes in PLP1 mutant mice. iScience, 26(5), 106698.

Dmello C, et al. (2023) Checkpoint kinase 1/2 inhibition potentiates anti-tumoral immune response and sensitizes gliomas to immune checkpoint blockade. Nature communications, 14(1), 1566.

Golden JW, et al. (2023) Induced protection from a CCHFV-M DNA vaccine requires CD8+ T cells. Virus research, 334, 199173.

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

Ravindranathan S, et al. (2022) Targeting vasoactive intestinal peptide-mediated signaling enhances response to immune checkpoint therapy in pancreatic ductal adenocarcinoma. Nature communications, 13(1), 6418.

Démoulins T, et al. (2022) Induction of thymic atrophy and loss of thymic output by type-I interferons during chronic viral infection. Virology, 567, 77.

Haase S, et al. (2022) H3.3-G34 mutations impair DNA repair and promote cGAS/STING-mediated immune responses in pediatric high-grade glioma models. The Journal of clinical investigation, 132(22).

John J, et al. (2022) Divergent outcomes of anti-PD-L1 treatment coupled with host-intrinsic differences in TCR repertoire and distinct T cell activation states in responding versus non-responding tumors. Frontiers in immunology, 13, 992630.

Anastasaki C, et al. (2022) Human induced pluripotent stem cell engineering establishes a humanized mouse platform for pediatric low-grade glioma modeling. Acta neuropathologica communications, 10(1), 120.

Huang Q, et al. (2022) The primordial differentiation of tumor-specific memory CD8+ T cells as bona fide responders to PD-1/PD-L1 blockade in draining lymph nodes. Cell, 185(22), 4049.