

Resource Summary Report

Generated by [ASWG](#) on Aug 10, 2026

C.129S2-Cd1^{tm1Gru/J}

RRID:IMSR_JAX:003814

Type: Organism

Proper Citation

RRID:IMSR_JAX:003814

Organism Information

URL: <https://www.jax.org/strain/003814>

Proper Citation: RRID:IMSR_JAX:003814

Description: Mus musculus with name C.129S2-Cd1^{tm1Gru/J} from IMSR.

Species: Mus musculus

Notes: gene symbol note: CD1 antigen complex; mutant strain|congenic strain: Cd1

Affected Gene: CD1 antigen complex

Genomic Alteration: targeted mutation 1; Michael Grusby

Catalog Number: JAX:003814

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: C.129S2-Cd1^{tm1Gru/J}

Record Creation Time: 20250513T053641+0000

Record Last Update: 20260808T050843+0000

Ratings and Alerts

No rating or validation information has been found for C.129S2-Cd1^{tm1Gru/J}.

No alerts have been found for C.129S2-Cd1^{tm1Gru/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Mayr L, et al. (2025) Effective targeting of PDGFRA-altered high-grade glioma with avapritinib. Cancer cell, 43(4), 740.

Tsuji M, et al. (2023) An immunostimulatory glycolipid that blocks SARS-CoV-2, RSV, and influenza infections in vivo. Nature communications, 14(1), 3959.

Teekakirikul P, et al. (2022) Genetic resiliency associated with dominant lethal TPM1 mutation causing atrial septal defect with high heritability. Cell reports. Medicine, 3(2), 100501.

Watanabe M, et al. (2022) Antigen-presenting T $\gamma\delta$ cells provide critical B7 co-stimulation for thymic iNKT cell development via CD28-dependent trogocytosis. Cell reports, 41(9), 111731.

Hanasoge Somasundara AV, et al. (2021) Parity-induced changes to mammary epithelial cells control NKT cell expansion and mammary oncogenesis. Cell reports, 37(10), 110099.

Pang J, et al. (2021) NOTCH Signaling Controls Ciliary Body Morphogenesis and Secretion by Directly Regulating Nectin Protein Expression. Cell reports, 34(2), 108603.

Wang H, et al. (2018) CCR7 defines a precursor for murine iNKT cells in thymus and periphery. eLife, 7.

Lee SY, et al. (2017) Natural killer T cell sensitization during neonatal respiratory syncytial virus infection induces eosinophilic lung disease in re-infected adult mice. PloS one, 12(6), e0176940.

Liew PX, et al. (2017) iNKT Cells Orchestrate a Switch from Inflammation to Resolution of Sterile Liver Injury. Immunity, 47(4), 752.

Bieber K, et al. (2016) T cells mediate autoantibody-induced cutaneous inflammation and blistering in epidermolysis bullosa acquisita. Scientific reports, 6, 38357.

Rayapudi M, et al. (2014) Invariant natural killer T-cell neutralization is a possible novel therapy for human eosinophilic esophagitis. Clinical & translational immunology, 3(1), e9.

Mantell BS, et al. (2011) Mice lacking NKT cells but with a complete complement of CD8+ T-cells are not protected against the metabolic abnormalities of diet-induced obesity. PloS one, 6(6), e19831.