

Resource Summary Report

Generated by [kravitz2](#) on Sep 21, 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: 20260919T054831+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 [kravitz2](#) .

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.