

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 23, 2026

CD1D KO

RRID:NSRRC_0038

Type: Organism

Proper Citation

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Organism Information

URL: <https://nsrrc.missouri.edu/StrainAvail/>

Proper Citation: RRID:NSRRC_0038

Description: Application: Immunological studies

Species: Sus scrofa

Notes: Application: Immunological studies

Phenotype: no natural killer T cells

Affected Gene: CD1D

Genomic Alteration: CD1D knockout

Catalog Number: 38

Background: outbred

Database: NSRRC, National Swine Resource and Research Center (NSRRC)

Database Abbreviation: NSRRC

Source References: [PMID:25100712](#)

Organism Name: CD1D KO

Record Creation Time: 20230226T235432+0000

Record Last Update: 20260815T230143+0000

Ratings and Alerts

No rating or validation information has been found for CD1D KO.

No alerts have been found for CD1D KO.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: NSRRC, National Swine Resource and Research Center (NSRRC)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Madden D, et al. (2026) CD1D knockout swine are permissive to African swine fever virus genotype II infection. *Emerging microbes & infections*, 15(1), 2671519.

González Roldán N, et al. (2025) Phleum pratense pollen-derived di-galactosyldiacylglycerols promote pro-allergic responses in mice. *Frontiers in immunology*, 16, 1532773.

Ishikawa H, et al. (2023) Effects of NKT Cells on Metabolic Disorders Caused by High-Fat Diet Using CD1d-Knockout Mice. *Diabetes, metabolic syndrome and obesity : targets and therapy*, 16, 2855.