

Resource Summary Report

Generated by [NIF](#) on Aug 25, 2026

KOMP ES cell line *Gmdstm1a(KOMP)Wtsi*

RRID:MMRRC_056303-UCD

Type: Organism

Proper Citation

RRID:MMRRC_056303-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/cellLineSDS.php?mmrrc_id=56303

Proper Citation: RRID:MMRRC_056303-UCD

Description: Mus musculus with name KOMP ES cell line *Gmdstm1a(KOMP)Wtsi* from MMRRC.

Species: Mus musculus

Notes: Research areas: ; Mutation Type: Targeted Mutation ; Collection: KOMP

Phenotype: increased neutrophil cell number [MP:0000219]| increased granulocyte number [MP:0000322]| abnormal cranium morphology [MP:0000438]| increased rib number [MP:0000480]| increased circulating alkaline phosphatase level [MP:0002968]| increased circulating chloride level [MP:0003019]| decreased macrophage cell number [MP:0003884]| increased B cell number [MP:0005014]| increased T cell number [MP:0005015]| decreased T cell number [MP:0005018]| decreased circulating glucose level [MP:0005560]| increased NK T cell number [MP:0008039]| decreased NK cell number [MP:0008045]| increased CD4-positive [MP:0008074]| alpha beta T cell number [MP:0008075]| decreased CD4-positive [MP:0008078]| alpha beta T cell number [MP:0008079]| increased CD8-positive [MP:0008127]| alpha-beta T cell number [MP:0008210]| decreased CD8-positive [MP:0008346]| alpha-beta T cell number [MP:0008810]| decreased dendritic cell number [MP:0010169]| increased mature B cell number [MP:0010851]| increased gamma-delta T cell number [MP:0012764]| increased circulating iron level [MP:0012765]| decreased CD4-positive [MP:0012768]| CD25-positive [MP:0013022]| alpha-beta regulatory T cell number [MP:0013026]| decreased effector memory CD8-positive [MP:0013155]| alpha-beta T cell number [MP:0013435]| increased alpha-beta T cell number [MP:0013511]| decreased alpha-beta T cell number [MP:0013519]| decreased KLRG1-positive NK cell number [MP:0013692]

Affected Gene: Gmds

Catalog Number: 056303-UCD

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:21677750](#)

Alternate IDs: MMRRC_56303-UCD, MMRRC_056303, MMRRC_5633

Organism Name: KOMP ES cell line *Gmdstm1a(KOMP)Wtsi*

Record Creation Time: 20230308T055352+0000

Record Last Update: 20260815T130026+0000

Ratings and Alerts

No rating or validation information has been found for KOMP ES cell line *Gmdstm1a(KOMP)Wtsi*.

No alerts have been found for KOMP ES cell line *Gmdstm1a(KOMP)Wtsi*.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Mutant Mouse Resource and Research Center (MMRRC)

Usage and Citation Metrics

We have not found any literature mentions for this resource.