

Resource Summary Report

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

[C.129\(Cg\)-Rag1^{tm1Bal} Igk-J^{tm2Mwg} Igh-J^{tm1\(3H9-VDJ\)}Mwg/Mmnc](#)

RRID:MMRRC_017243-UNC

Type: Organism

Proper Citation

RRID:MMRRC_017243-UNC

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=17243

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Description: Mus musculus with name C.129(Cg)-Rag1^{tm1Bal} Igk-J^{tm2Mwg} Igh-J^{tm1(3H9-VDJ)}Mwg/Mmnc from MMRRC.

Species: Mus musculus

Notes: Research areas: Immunology and Inflammation, Models for Human Disease, Research Tools; Mutation Type: Targeted Mutation ; Collection:

Phenotype: abnormal immature B cell morphology [MP:0005022]| abnormal B cell receptor editing [MP:0008766]| arrested T cell differentiation [MP:0001825]| kidney inflammation [MP:0001859]| liver inflammation [MP:0001860]| premature death [MP:0002083]| abnormal kidney morphology [MP:0002135]| abnormal CD4-positive [MP:0002432]| alpha beta T cell morphology [MP:0002599]| increased mean platelet volume [MP:0002703]| abnormal renal tubule morphology [MP:0002962]| increased urine protein level [MP:0003179]| thrombocytopenia [MP:0004505]| decreased renal glomerulus number [MP:0005048]| abnormal thrombosis [MP:0008075]| decreased CD4-positive [MP:0008078]| alpha beta T cell number [MP:0009446]| increased CD8-positive [MP:0009549]

Affected Gene: |Igk-J|||Rag1

Catalog Number: 017243-UNC

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:12461083](#), [PMID:16393973](#), [PMID:17296939](#), [PMID:18424731](#)

Alternate IDs: MMRRC_17243-UNC, MMRRC_017243, MMRRC_17243

Organism Name: C.129(Cg)-*Rag1*^{tm1Bal} *Igk*-*J*^{tm2Mwg} *Igh*-*J*^{tm1(3H9-VDJ)}*Mwg*/Mmnc

Record Creation Time: 20230308T054947+0000

Record Last Update: 20260808T123608+0000

Ratings and Alerts

No rating or validation information has been found for C.129(Cg)-*Rag1*^{tm1Bal} *Igk*-*J*^{tm2Mwg} *Igh*-*J*^{tm1(3H9-VDJ)}*Mwg*/Mmnc.

No alerts have been found for C.129(Cg)-*Rag1*^{tm1Bal} *Igk*-*J*^{tm2Mwg} *Igh*-*J*^{tm1(3H9-VDJ)}*Mwg*/Mmnc.

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.