

Resource Summary Report

Generated by [RRID](#) on Aug 5, 2026

[C.Cg-Igk-J^{tm2}Mwg](#) [Igh-J^{tm1}\(3H9-VDJ\)Mwg](#) [Prkdc](#)
[tm1Get/Mmnc](#)

RRID:MMRRC_017245-UNC

Type: Organism

Proper Citation

RRID:MMRRC_017245-UNC

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=17245

Proper Citation: RRID:MMRRC_017245-UNC

Description: Mus musculus with name C.Cg-Igk-J^{tm2}Mwg Igh-J^{tm1}(3H9-VDJ)Mwg Prkdc tm1Get/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]| abnormal cell morphology [MP:0000358]| spleen hypoplasia [MP:0000694]| arrested B cell differentiation [MP:0001802]| decreased IgM level [MP:0001806]| thymus hypoplasia [MP:0001823]| arrested T cell differentiation [MP:0001825]| increased cellular sensitivity to gamma-irradiation [MP:0002007]| abnormal B cell differentiation [MP:0002144]| abnormal T cell differentiation [MP:0002145]| small lymph nodes [MP:0002217]| increased double-negative T cell number [MP:0005090]| increased double-positive T cell number [MP:0005091]| abnormal T cell number [MP:0006387]| increased NK cell number [MP:0008044]| decreased single-positive T cell number [MP:0008083]| decreased spleen white pulp amount [MP:0008479]| abnormal T cell receptor alpha chain V-J recombination [MP:0008756]| abnormal T cell receptor beta chain V(D)J recombination [MP:0008758]| abnormal T cell receptor delta chain V(D)J recombination [MP:0008759]| abnormal immunoglobulin heavy chain V(D)J recombination [MP:0008760]| abnormal immunoglobulin light chain V-J recombination [MP:0008761]| abnormal thymus corticomedullary boundary morphology [MP:0009543]

Affected Gene: |Igk-J|Prkdc

Catalog Number: 017245-UNC

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:17296939](#)

Alternate IDs: MMRRC_17245-UNC, MMRRC_017245, MMRRC_17245

Organism Name: C.Cg-*Igk*-*J^{tm2Mwg}* *Igh*-*J^{tm1(3H9-VDJ)Mwg}* *Prkdc* *tm1Get*/Mmnc

Record Creation Time: 20230308T054947+0000

Record Last Update: 20260801T123752+0000

Ratings and Alerts

No rating or validation information has been found for C.Cg-*Igk*-*J^{tm2Mwg}* *Igh*-*J^{tm1(3H9-VDJ)Mwg}* *Prkdc* *tm1Get*/Mmnc.

No alerts have been found for C.Cg-*Igk*-*J^{tm2Mwg}* *Igh*-*J^{tm1(3H9-VDJ)Mwg}* *Prkdc* *tm1Get*/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.