

Resource Summary Report

Generated by [NIF](#) on Sep 18, 2026

C57BL/6-Rc3h1^{san}/Mmucd

RRID:MMRRC_011119-UCD

Type: Organism

Proper Citation

RRID:MMRRC_011119-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=11119

Proper Citation: RRID:MMRRC_011119-UCD

Description: Mus musculus with name C57BL/6-Rc3h1^{san}/Mmucd from MMRRC.

Species: Mus musculus

Notes: Research areas: Cell Biology, Developmental Biology, Diabetes, Hematology, Immunology and Inflammation, Models for Human Disease; Mutation Type: chemically induced mutation ; Collection: NHMRC Australian PhenomeBank

Phenotype: crypts of Lieberkuhn abscesses [MP:0000491]| intestinal ulcer [MP:0000512]| lymphoid hyperplasia [MP:0000688]| enlarged spleen [MP:0000691]| enlarged lymph nodes [MP:0000702]| decreased body weight [MP:0001262]| anemia [MP:0001577]| hepatic necrosis [MP:0001654]| increased activated T cell number [MP:0001829]| increased inflammatory response [MP:0001846]| kidney inflammation [MP:0001859]| liver inflammation [MP:0001860]| increased T cell derived lymphoma incidence [MP:0002024]| premature death [MP:0002083]| abnormal T cell differentiation [MP:0002145]| abnormal lymph node morphology [MP:0002339]| increased susceptibility to bacterial infection [MP:0002412]| abnormal effector T cell morphology [MP:0002435]| increased IgG level [MP:0002493]| granulomatous inflammation [MP:0002500]| glomerulonephritis [MP:0002743]| colitis [MP:0002816]| thrombocytopenia [MP:0003179]| small intestinal inflammation [MP:0003306]| increased anti-double stranded DNA antibody level [MP:0004762]| increased anti-nuclear antigen antibody level [MP:0004794]| abnormal small intestine crypts of Lieberkuhn morphology [MP:0004841]| increased spleen weight [MP:0004952]| increased T cell proliferation [MP:0005348]| increased CD4-positive [MP:0008074]| alpha beta T cell number [MP:0008108]| abnormal small intestinal villus morphology [MP:0008522]| abnormal lymph node germinal center morphology [MP:0008553]| increased circulating tumor necrosis factor level [MP:0008895]| abnormal intraepithelial T cell number [MP:0009481]| cecum inflammation [MP:0009482]| ileum inflammation [MP:0010186]| increased T follicular helper cell number [MP:0010189]|

abnormal T follicular helper cell physiology [MP:0010268]

Affected Gene: Rc3h1

Catalog Number: 011119-UCD

Background: chemically induced mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:15917799](#), [PMID:18172933](#), [PMID:19217324](#), [PMID:19221396](#)

Alternate IDs: MMRRC_11119-UCD, MMRRC_011119, MMRRC_11119

Organism Name: C57BL/6-*Rc3h1*^{san}/Mmucd

Record Creation Time: 20230308T054909+0000

Record Last Update: 20260912T134235+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6-*Rc3h1*^{san}/Mmucd.

No alerts have been found for C57BL/6-*Rc3h1*^{san}/Mmucd.

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.