

Resource Summary Report

Generated by [NIF](#) on Aug 11, 2026

C57BL/6J-Ptpn6^{m1Btlr}/Mmucd

RRID:MMRRC_015198-UCD

Type: Organism

Proper Citation

RRID:MMRRC_015198-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=15198

Proper Citation: RRID:MMRRC_015198-UCD

Description: Mus musculus with name C57BL/6J-Ptpn6^{m1Btlr}/Mmucd from MMRRC.

Species: Mus musculus

Notes: Research areas: Apoptosis, Cancer, Cell Biology, Dermatology, Hematology, Immunology and Inflammation, Models for Human Disease, Virology; Mutation Type: chemically induced mutation ; Collection: Beutler Mutagenetix

Phenotype: increased neutrophil cell number [MP:0000219]| ulcerated paws [MP:0000578]| enlarged spleen [MP:0000691]| increased inflammatory response [MP:0001846]| lung inflammation [MP:0001861]| salivary gland inflammation [MP:0001870]| decreased susceptibility to bacterial infection [MP:0002411]| increased IgM level [MP:0002494]| increased erythroid progenitor cell number [MP:0003135]| increased anti-chromatin antibody level [MP:0004829]| decreased mature B cell number [MP:0008211]| abnormal myeloid leukocyte morphology [MP:0008250]| decreased susceptibility to bacterial infection induced morbidity/mortality [MP:0009789]

Affected Gene: Ptpn6

Catalog Number: 015198-UCD

Background: chemically induced mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:18806225](#)

Alternate IDs: MMRRC_15198-UCD, MMRRC_015198, MMRRC_15198

Organism Name: C57BL/6J-*Ptpn6*^{m1Btlr}/Mmucd

Record Creation Time: 20230308T054934+0000

Record Last Update: 20260808T123537+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6J-*Ptpn6*^{m1Btlr}/Mmucd.

No alerts have been found for C57BL/6J-*Ptpn6*^{m1Btlr}/Mmucd.

Data and Source Information

Source: [Integrated Animals](#)

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

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Mazgaeen L, et al. (2023) CD47 halts Ptpn6-deficient neutrophils from provoking lethal inflammation. Science advances, 9(1), eade3942.

Croker BA, et al. (2008) Inflammation and autoimmunity caused by a SHP1 mutation depend on IL-1, MyD88, and a microbial trigger. Proceedings of the National Academy of Sciences of the United States of America, 105(39), 15028.