

Resource Summary Report

Generated by [RRID](#) on Aug 2, 2026

B6.129-*Ptprc*^{tm1Mak}/Mmjax

RRID:MMRRC_042055-JAX

Type: Organism

Proper Citation

RRID:MMRRC_042055-JAX

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=42055

Proper Citation: RRID:MMRRC_042055-JAX

Description: Mus musculus with name B6.129-*Ptprc*^{tm1Mak}/Mmjax from MMRRC.

Species: Mus musculus

Notes: Research areas: Immunology and Inflammation; Mutation Type: Targeted Mutation ; Collection:

Phenotype: abnormal long bone metaphysis morphology [MP:0000133]| extramedullary hematopoiesis [MP:0000240]| abnormal spleen morphology [MP:0000689]| decreased thymocyte number [MP:0000715]| abnormal myelination [MP:0000920]| abnormal oligodendrocyte morphology [MP:0000953]| decreased body weight [MP:0001262]| abnormal osteoclast physiology [MP:0001541]| anemia [MP:0001577]| abnormal myelopoiesis [MP:0001601]| impaired macrophage phagocytosis [MP:0001798]| thymus hypoplasia [MP:0001823]| arrested T cell differentiation [MP:0001825]| liver inflammation [MP:0001860]| lung inflammation [MP:0001861]| premature death [MP:0002083]| abnormal B cell differentiation [MP:0002144]| abnormal T cell differentiation [MP:0002145]| abnormal bone marrow cell morphology/development [MP:0002398]| abnormal B cell physiology [MP:0002459]| abnormal cytokine secretion [MP:0003009]| abnormal T cell subpopulation ratio [MP:0003944]| abnormal osteoclast morphology [MP:0004982]| decreased B cell number [MP:0005017]| decreased T cell number [MP:0005018]| abnormal response to infection [MP:0005025]| decreased cytotoxic T cell cytolysis [MP:0005079]| increased double-negative T cell number [MP:0005090]| decreased double-positive T cell number [MP:0005092]| decreased B cell proliferation [MP:0005093]| decreased T cell proliferation [MP:0005095]| decreased susceptibility to type I hypersensitivity reaction [MP:0005597]| increased T cell apoptosis [MP:0006413]| decreased CD4-positive [MP:0008075]| alpha beta T cell number [MP:0008079]| decreased CD8-positive [MP:0008172]| alpha-beta T cell number [MP:0008188]| abnormal follicular B cell morphology [MP:0008211]| abnormal transitional stage B cell morphology

[MP:0008215]] decreased mature B cell number [MP:0008351]] decreased immature B cell number [MP:0008400]] decreased gamma-delta intraepithelial T cell number [MP:0008765]] abnormal CD4-positive [MP:0008894]] alpha-beta intraepithelial T cell morphology [MP:0008895]] decreased mast cell degranulation [MP:0009808]] abnormal intraepithelial T cell morphology [MP:0010766]

Affected Gene: Ptprc

Catalog Number: 042055-JAX

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:8334701](https://pubmed.ncbi.nlm.nih.gov/3334701/)

Alternate IDs: MMRRC_42055-JAX, MMRRC_042055, MMRRC_4255

Organism Name: B6.129-*Ptprc*^{tm1Mak}/Mmjax

Record Creation Time: 20230308T055222+0000

Record Last Update: 20260801T124519+0000

Ratings and Alerts

No rating or validation information has been found for B6.129-*Ptprc*^{tm1Mak}/Mmjax.

No alerts have been found for B6.129-*Ptprc*^{tm1Mak}/Mmjax.

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.