

Resource Summary Report

Generated by [dkNET](#) on Sep 6, 2026

C.129S2(B6)-*Ighm*^{tm1Cgn}/Mmmh

RRID:MMRRC_000205-MU

Type: Organism

Proper Citation

RRID:MMRRC_000205-MU

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=205

Proper Citation: RRID:MMRRC_000205-MU

Description: Mus musculus with name C.129S2(B6)-*Ighm*^{tm1Cgn}/Mmmh from MMRRC.

Species: Mus musculus

Notes: Research areas: Cardiovascular, Immunology and Inflammation, Research Tools, Virology; Mutation Type: Targeted Mutation ; Collection:

Phenotype: decreased bone mineral density [MP:0000063]| abnormal trabecular bone morphology [MP:0000130]| decreased compact bone thickness [MP:0000135]| enlarged heart [MP:0000274]| increased cell proliferation [MP:0000351]| abnormal intestinal epithelium morphology [MP:0000488]| abnormal spleen morphology [MP:0000689]| enlarged lymph nodes [MP:0000702]| abnormal skin condition [MP:0001191]| abnormal cardiovascular system physiology [MP:0001544]| abnormal humoral immune response [MP:0001800]| arrested B cell differentiation [MP:0001802]| decreased IgG level [MP:0001805]| decreased IgM level [MP:0001806]| decreased IgA level [MP:0001807]| thymus hypoplasia [MP:0001823]| abnormal antigen presentation [MP:0001835]| abnormal inflammatory response [MP:0001845]| increased inflammatory response [MP:0001846]| heart inflammation [MP:0001853]| myocarditis [MP:0001856]| kidney inflammation [MP:0001859]| abnormal lymphatic vessel morphology [MP:0001879]| premature death [MP:0002083]| abnormal respiratory system physiology [MP:0002133]| abnormal B cell differentiation [MP:0002144]| abnormal spleen marginal sinus morphology [MP:0002363]| abnormal B lymphocyte antigen presentation [MP:0002453]| decreased immunoglobulin level [MP:0002460]| abnormal immunoglobulin level [MP:0002490]| decreased IgE level [MP:0002492]| tubular nephritis [MP:0002704]| increased urine protein level [MP:0002962]| abnormal cytokine secretion [MP:0003009]| cardiac fibrosis [MP:0003141]| thrombocytopenia [MP:0003179]| small intestinal inflammation [MP:0003306]| increased susceptibility to induced arthritis [MP:0003724]| increased autoantibody level [MP:0003725]| abnormal compact bone morphology [MP:0003797]| abnormal PR interval

[MP:0003901] insulinitis [MP:0004031] decreased susceptibility to systemic lupus erythematosus [MP:0004802] increased susceptibility to autoimmune diabetes [MP:0004803] decreased susceptibility to autoimmune diabetes [MP:0004804] decreased spleen weight [MP:0004953] increased osteoclast cell number [MP:0004984] increased T cell number [MP:0005015] decreased B cell number [MP:0005017] abnormal response to infection [MP:0005025] increased susceptibility to parasitic infection [MP:0005027] abnormal T cell proliferation [MP:0005094] decreased T cell proliferation [MP:0005095] cachexia [MP:0005150] decreased susceptibility to injury [MP:0005166] abnormal pancreatic islet morphology [MP:0005215] abnormal CD4-positive [MP:0005463] alpha-beta T cell physiology [MP:0005559] increased circulating glucose level [MP:0005616] decreased susceptibility to type IV hypersensitivity reaction [MP:0006387] abnormal T cell number [MP:0008071] absent B cells [MP:0008075] decreased CD4-positive [MP:0008079] alpha beta T cell number [MP:0008127] decreased CD8-positive [MP:0008171] alpha-beta T cell number [MP:0008201] decreased dendritic cell number [MP:0008211] abnormal mature B cell morphology [MP:0008212] absent follicular dendritic cells [MP:0008213] decreased mature B cell number [MP:0008240] absent mature B cells [MP:0008241] absent immature B cells [MP:0008401] abnormal spleen marginal zone macrophage morphology [MP:0008470] abnormal metallophilic macrophage morphology [MP:0008495] abnormal CD8 positive [MP:0009346] alpha-beta intraepithelial T cell morphology [MP:0010965] abnormal spleen B cell follicle morphology [MP:0012431]

Affected Gene: *Ighm*

Catalog Number: 000205-MU

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:10553048](https://pubmed.ncbi.nlm.nih.gov/10553048/)

Alternate IDs: MMRRC_205-MU, MMRRC_000205, MMRRC_25

Organism Name: C.129S2(B6)-*Ighm*^{tm1Cgn}/Mmmh

Record Creation Time: 20230308T054751+0000

Record Last Update: 20260905T110213+0000

Ratings and Alerts

No rating or validation information has been found for C.129S2(B6)-*Ighm*^{tm1Cgn}/Mmmh.

Warning: Warning. Researchers have noted that this genotype does not sufficiently model human rheumatoid arthritis.

Warning: Warning. Researchers have noted that this genotype does not sufficiently model human type 1 diabetes mellitus.

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.