

Resource Summary Report

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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: 20260829T121647+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.