

Resource Summary Report

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129S4/SvJae-Cd80^{tm1Shr} Cd86^{tm1Shr} Ctla4^{tm1Shr} /Mmmh

RRID:MMRRC_011791-MU

Type: Organism

Proper Citation

RRID:MMRRC_011791-MU

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=11791

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Description: Mus musculus with name 129S4/SvJae-Cd80^{tm1Shr} Cd86^{tm1Shr} Ctla4^{tm1Shr}/Mmmh from MMRRC.

Species: Mus musculus

Notes: Research areas: Immunology and Inflammation, Models for Human Disease; Mutation Type: Targeted Mutation ; Collection:

Phenotype: decreased cell proliferation [MP:0000352] abnormal spleen morphology [MP:0000689] decreased IgG level [MP:0001805] brain inflammation [MP:0001847] abnormal lymph node B cell domain morphology [MP:0002344] abnormal T cell physiology [MP:0002444] abnormal immunoglobulin level [MP:0002490] increased IgM level [MP:0002494] abnormal cytokine secretion [MP:0003009] insulitis [MP:0004031] increased susceptibility to experimental autoimmune encephalomyelitis [MP:0004799] decreased susceptibility to experimental autoimmune encephalomyelitis [MP:0004800] increased susceptibility to autoimmune diabetes [MP:0004803] decreased susceptibility to autoimmune diabetes [MP:0004804] decreased regulatory T cell number [MP:0004974] decreased double-positive T cell number [MP:0005092] decreased B cell proliferation [MP:0005093] abnormal T cell proliferation [MP:0005094] decreased T cell proliferation [MP:0005095] increased T cell proliferation [MP:0005348] abnormal CD4-positive [MP:0005463] alpha-beta T cell physiology [MP:0005623] abnormal meninges morphology [MP:0006387] abnormal T cell number [MP:0008495] decreased IgG1 level [MP:0008496] decreased IgG2a level [MP:0008502] increased IgG3 level [MP:0008560] increased tumor necrosis factor secretion [MP:0008566] increased interferon-gamma secretion [MP:0008688] decreased interleukin-2 secretion [MP:0009023] paresis [MP:0000754] hindlimb paralysis [MP:0000755] demyelination [MP:0000921] abnormal dorsal root ganglion morphology [MP:0000961] abnormal humoral immune response

[MP:0001800] decreased IgG level [MP:0001805] brain inflammation [MP:0001847] muscular atrophy [MP:0002269] abnormal nervous system morphology [MP:0003632] increased autoantibody level [MP:0003725] abnormal myelin sheath morphology [MP:0003871] abnormal ventral spinal root morphology [MP:0003993] abnormal dorsal spinal root morphology [MP:0003994] decreased susceptibility to experimental autoimmune encephalomyelitis [MP:0004800] increased susceptibility to autoimmune diabetes [MP:0004803] decreased susceptibility to autoimmune diabetes [MP:0004804] decreased regulatory T cell number [MP:0004974] abnormal T cell proliferation [MP:0005094] decreased T cell proliferation [MP:0005095] abnormal action potential [MP:0005402] abnormal nerve conduction [MP:0005403] absent spleen germinal center [MP:0008474] increased tumor necrosis factor secretion [MP:0008560] decreased tumor necrosis factor secretion [MP:0008561] increased interferon-gamma secretion [MP:0008566] decreased interleukin-12 secretion [MP:0008664] decreased nerve conduction velocity [MP:0008814] decreased grip strength [MP:0010053] enlarged spleen [MP:0000691] enlarged lymph nodes [MP:0000702] autoimmune response [MP:0001844] myocarditis [MP:0001856] lung inflammation [MP:0001861] vasculitis [MP:0001864] pancreas inflammation [MP:0001869] salivary gland inflammation [MP:0001870] premature death [MP:0002083] abnormal T cell differentiation [MP:0002145] abnormal T cell physiology [MP:0002444] joint inflammation [MP:0002933] abnormal cytokine secretion [MP:0003009] increased length of allograft survival [MP:0004751] abnormal regulatory T cell physiology [MP:0004946] abnormal CD8-positive [MP:0005010] alpha beta T cell morphology [MP:0005015] increased T cell number [MP:0005090] increased double-negative T cell number [MP:0005092] decreased double-positive T cell number [MP:0005095] decreased T cell proliferation [MP:0005348] increased T cell proliferation [MP:0005350] increased susceptibility to autoimmune disorder [MP:0008037] abnormal T cell morphology [MP:0008075] decreased CD4-positive [MP:0008568] alpha beta T cell number [MP:0008750] abnormal interleukin secretion [MP:0008826] abnormal interferon level [MP:0008828]

Affected Gene: |Cd80|Cd86|Ctla4

Catalog Number: 011791-MU

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:10477557](#), [PMID:9892625](#)

Alternate IDs: MMRRC_11791-MU, MMRRC_011791, MMRRC_11791

Organism Name: 129S4/SvJae-*Cd80^{tm1Shr} Cd86^{tm1Shr} Ctla4^{tm1Shr}/Mmmh*

Record Creation Time: 20230308T054913+0000

Record Last Update: 20260808T123438+0000

Ratings and Alerts

No rating or validation information has been found for 129S4/SvJae-*Cd80^{tm1Shr} Cd86^{tm1Shr} Ctla4^{tm1Shr}/Mmmh*.

No alerts have been found for 129S4/SvJae-*Cd80^{tm1Shr} Cd86^{tm1Shr} Ctla4^{tm1Shr}/Mmmh*.

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.