

Resource Summary Report

Generated by [RRID](#) on Aug 3, 2026

C.129-Cd40^{tm1Kik} Cd86^{tm2Shr} Cd80^{tm1Shr}/Mmnc

RRID:MMRRC_011489-UNC

Type: Organism

Proper Citation

RRID:MMRRC_011489-UNC

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=11489

Proper Citation: RRID:MMRRC_011489-UNC

Description: Mus musculus with name C.129-Cd40^{tm1Kik} Cd86^{tm2Shr} Cd80^{tm1Shr}/Mmnc from MMRRC.

Species: Mus musculus

Notes: Research areas: Apoptosis, Cancer, Dermatology, 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]| insulinitis [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] decreased bone mineral density [MP:0000063] decreased neutrophil cell number [MP:0000222] enlarged spleen [MP:0000691] enlarged lymph nodes [MP:0000702] abnormal humoral immune response [MP:0001800] decreased IgA level [MP:0001807] no abnormal phenotype detected [MP:0002169] abnormal thymus medulla morphology [MP:0002375] abnormal dendritic cell physiology [MP:0002376] increased susceptibility to bacterial infection [MP:0002412] abnormal B cell physiology [MP:0002459] decreased immunoglobulin level [MP:0002460] decreased IgE level [MP:0002492] glomerulonephritis [MP:0002743] increased urine protein level [MP:0002962] increased anti-double stranded DNA antibody level [MP:0004762] abnormal class switch recombination [MP:0004816] decreased B cell number [MP:0005017] decreased susceptibility to type II hypersensitivity reaction [MP:0005612] decreased cerebral infarction size [MP:0006058] increased follicular B cell number [MP:0008173] absent germinal center B cells [MP:0008179] increased marginal zone B cell number [MP:0008181] increased transitional stage B cell number [MP:0008189] abnormal B cell activation [MP:0008217] absent spleen germinal center [MP:0008474] decreased IgG1 level [MP:0008495] decreased IgG2a level [MP:0008496] decreased IgG2b level [MP:0008497] decreased IgG3 level [MP:0008498] abnormal thymus epithelium morphology [MP:0009544] decreased platelet aggregation [MP:0009549] decreased trabecular bone mass [MP:0010873] decreased compact bone mass [MP:0010962] renal glomerular immunoglobulin deposits [MP:0020519]

Affected Gene: |Cd40|Cd80|Cd86

Catalog Number: 011489-UNC

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:9075931](#), [PMID:7534202](#), [PMID:15522961](#)

Alternate IDs: MMRRC_11489-UNC, MMRRC_011489, MMRRC_11489

Organism Name: C.129-*Cd40^{tm1Kik} Cd86^{tm2Shr} Cd80^{tm1Shr}/Mmnc*

Record Creation Time: 20230308T054911+0000

Record Last Update: 20260801T123555+0000

Ratings and Alerts

No rating or validation information has been found for C.129-*Cd40^{tm1Kik} Cd86^{tm2Shr} Cd80^{tm1Shr}/Mmnc*.

No alerts have been found for C.129-*Cd40^{tm1Kik} Cd86^{tm2Shr} Cd80^{tm1Shr}/Mmnc*.

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.