

Resource Summary Report

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

129S4/SvJae-Cd80^{tm1Shr}/Mmnc

RRID:MMRRC_010623-UNC

Type: Organism

Proper Citation

RRID:MMRRC_010623-UNC

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=10623

Proper Citation: RRID:MMRRC_010623-UNC

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

Species: Mus musculus

Notes: Research areas: Immunology and Inflammation; 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]

Affected Gene: Cd80

Catalog Number: 010623-UNC

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:9075931](#)

Alternate IDs: MMRRC_10623-UNC, MMRRC_010623, MMRRC_1623

Organism Name: 129S4/SvJae-*Cd80^{tm1Shr}*/Mmnc

Record Creation Time: 20230308T054906+0000

Record Last Update: 20260801T123540+0000

Ratings and Alerts

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

No alerts have been found for 129S4/SvJae-*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.