

Resource Summary Report

Generated by [NIF](#) on Aug 7, 2026

C.129S4-Cd80^{tm1Shr}/Mmmh

RRID:MMRRC_011137-MU

Type: Organism

Proper Citation

RRID:MMRRC_011137-MU

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=11137

Proper Citation: RRID:MMRRC_011137-MU

Description: Mus musculus with name C.129S4-Cd80^{tm1Shr}/Mmmh 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: 011137-MU

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:9075931](#)

Alternate IDs: MMRRC_11137-MU, MMRRC_011137, MMRRC_11137

Organism Name: C.129S4-*Cd80^{tm1Shr}*/Mmmh

Record Creation Time: 20230308T054909+0000

Record Last Update: 20260801T123549+0000

Ratings and Alerts

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

No alerts have been found for C.129S4-*Cd80^{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.