

Resource Summary Report

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

129S4/SvJae-Cd80^{tm1Shr} Cd86^{tm2Shr}/Mmnc

RRID:MMRRC_010625-UNC

Type: Organism

Proper Citation

RRID:MMRRC_010625-UNC

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=10625

Proper Citation: RRID:MMRRC_010625-UNC

Description: Mus musculus with name 129S4/SvJae-Cd80^{tm1Shr} Cd86^{tm2Shr}/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]| 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]| decreased cell proliferation [MP:0000352]| abnormal spleen morphology [MP:0000689]| decreased IgG level [MP:0001805]| abnormal lymph node B cell domain morphology [MP:0002344]| abnormal T cell physiology [MP:0002444]| 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]| abnormal T cell proliferation [MP:0005094]| 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:0008688]| decreased interleukin-2 secretion [MP:0008713]| abnormal cytokine level [MP:0009023]

Affected Gene: |Cd80||Cd86

Catalog Number: 010625-UNC

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:9075931](https://pubmed.ncbi.nlm.nih.gov/9075931/)

Alternate IDs: MMRRC_10625-UNC, MMRRC_010625, MMRRC_1625

Organism Name: 129S4/SvJae-*Cd80^{tm1Shr} Cd86^{tm2Shr}*/Mmnc

Record Creation Time: 20230308T054906+0000

Record Last Update: 20260801T123534+0000

Ratings and Alerts

No rating or validation information has been found for 129S4/SvJae-*Cd80^{tm1Shr} Cd86^{tm2Shr}*/Mmnc.

No alerts have been found for 129S4/SvJae-*Cd80^{tm1Shr} Cd86^{tm2Shr}*/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.