

Resource Summary Report

Generated by [NIF](#) on Aug 23, 2026

C.129S4-Ctla4^{tm1Shr} Cd28^{tm1Shr}/Mmnc

RRID:MMRRC_030493-UNC

Type: Organism

Proper Citation

RRID:MMRRC_030493-UNC

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=30493

Proper Citation: RRID:MMRRC_030493-UNC

Description: Mus musculus with name C.129S4-Ctla4^{tm1Shr} Cd28^{tm1Shr}/Mmnc from MMRRC.

Species: Mus musculus

Notes: Research areas: Immunology and Inflammation; Mutation Type: Targeted Mutation ; Collection:

Phenotype: 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]| increased length of allograft survival [MP:0004751]| abnormal CD8-positive [MP:0005010]| alpha beta T cell morphology [MP:0005095]| decreased T cell proliferation [MP:0005350]| increased susceptibility to autoimmune disorder [MP:0008075]| decreased CD4-positive [MP:0008568]| alpha beta T cell number [MP:0008688]| abnormal interleukin secretion [MP:0008750]

Affected Gene: Cd28Ctla4

Catalog Number: 030493-UNC

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:11285307](#), [PMID:17629517](#)

Alternate IDs: MMRRC_30493-UNC, MMRRC_030493, MMRRC_3493

Organism Name: C.129S4-*Ctla4*^{tm1Shr} *Cd28*^{tm1Shr}/Mmnc

Record Creation Time: 20230308T055119+0000

Record Last Update: 20260815T124538+0000

Ratings and Alerts

No rating or validation information has been found for C.129S4-*Ctla4*^{tm1Shr} *Cd28*^{tm1Shr}/Mmnc.

No alerts have been found for C.129S4-*Ctla4*^{tm1Shr} *Cd28*^{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.