

# Resource Summary Report

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

## SJL.129S4-Cd80<sup>tm1Shr</sup> Cd86<sup>tm1Shr</sup>/Mmmh

RRID:MMRRC\_011790-MU

Type: Organism

### Proper Citation

RRID:MMRRC\_011790-MU

### Organism Information

**URL:** [https://www.mmrrc.org/catalog/sds.php?mmrrc\\_id=11790](https://www.mmrrc.org/catalog/sds.php?mmrrc_id=11790)

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**Description:** Mus musculus with name SJL.129S4-Cd80<sup>tm1Shr</sup> Cd86<sup>tm1Shr</sup>/Mmmh from MMRRC.

**Species:** Mus musculus

**Notes:** Research areas: 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]

**Affected Gene:** |Cd80||Cd86

**Catalog Number:** 011790-MU

**Background:** Targeted Mutation

**Database:** Mutant Mouse Resource and Research Center (MMRRC)

**Database Abbreviation:** MMRRC

**Source References:** [PMID:10477557](https://pubmed.ncbi.nlm.nih.gov/10477557/)

**Alternate IDs:** MMRRC\_11790-MU, MMRRC\_011790, MMRRC\_1179

**Organism Name:** SJL.129S4-*Cd80<sup>tm1Shr</sup> Cd86<sup>tm1Shr</sup>/Mmmh*

**Record Creation Time:** 20230308T054913+0000

**Record Last Update:** 20260801T123554+0000

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## Ratings and Alerts

No rating or validation information has been found for SJL.129S4-*Cd80<sup>tm1Shr</sup> Cd86<sup>tm1Shr</sup>/Mmmh*.

No alerts have been found for SJL.129S4-*Cd80<sup>tm1Shr</sup> Cd86<sup>tm1Shr</sup>/Mmmh*.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** Mutant Mouse Resource and Research Center (MMRRC)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.