

Resource Summary Report

Generated by [NIF](#) on Sep 3, 2026

B6.129S2-Cd28^{tm1Mak}/J

RRID:IMSR_JAX:002666

Type: Organism

Proper Citation

RRID:IMSR_JAX:002666

Organism Information

URL: <https://www.jax.org/strain/002666>

Proper Citation: RRID:IMSR_JAX:002666

Description: Mus musculus with name B6.129S2-Cd28^{tm1Mak}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: CD28 antigen; mutant strain|congenic strain: Cd28

Affected Gene: CD28 antigen

Genomic Alteration: targeted mutation 1; Tak Mak

Catalog Number: JAX:002666

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: B6.129S2-Cd28^{tm1Mak}/J

Record Creation Time: 20250513T053634+0000

Record Last Update: 20260829T044924+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S2-Cd28^{tm1Mak}/J.

No alerts have been found for B6.129S2-Cd28^{tm1Mak}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 11 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Zhao Y, et al. (2023) cis-B7:CD28 interactions at invaginated synaptic membranes provide CD28 co-stimulation and promote CD8+ T cell function and anti-tumor immunity. Immunity.

Watanabe M, et al. (2022) Antigen-presenting T cells provide critical B7 co-stimulation for thymic iNKT cell development via CD28-dependent trogocytosis. Cell reports, 41(9), 111731.

Dölz M, et al. (2022) Forced expression of the non-coding RNA miR-17-92 restores activation and function in CD28-deficient CD4+ T cells. iScience, 25(11), 105372.

Béziat V, et al. (2021) Humans with inherited T cell CD28 deficiency are susceptible to skin papillomaviruses but are otherwise healthy. Cell, 184(14), 3812.

Zhao J, et al. (2021) ACTH treatment promotes murine cardiac allograft acceptance. JCI insight, 6(13).

Lightman SM, et al. (2021) Indoleamine 2,3-dioxygenase 1 is essential for sustaining durable antibody responses. Immunity, 54(12), 2772.

Watanabe M, et al. (2020) B7-CD28 co-stimulation modulates central tolerance via thymic clonal deletion and Treg generation through distinct mechanisms. Nature communications, 11(1), 6264.

García Nores GD, et al. (2018) CD4+ T cells are activated in regional lymph nodes and migrate to skin to initiate lymphedema. Nature communications, 9(1), 1970.

Srivastava S, et al. (2014) Type I interferons directly inhibit regulatory T cells to allow optimal antiviral T cell responses during acute LCMV infection. The Journal of experimental medicine, 211(5), 961.

Laird RM, et al. (2013) ?? T cells acquire effector fates in the thymus and differentiate into cytokine-producing effectors in a Listeria model of infection independently of CD28 costimulation. PloS one, 8(5), e63178.

Rozanski CH, et al. (2011) Sustained antibody responses depend on CD28 function in bone marrow-resident plasma cells. The Journal of experimental medicine, 208(7), 1435.