Resource Summary Report

Generated by nidm-terms on Aug 11, 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: 20260808T050835+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 nidm-terms .

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.

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

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.

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.