Resource Summary Report

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B6.129S2-Cd40lg^{tm1Imx}/J

RRID:IMSR_JAX:002770
Type: Organism

Proper Citation

RRID:IMSR_JAX:002770

Organism Information

URL: https://www.jax.org/strain/002770

Proper Citation: RRID:IMSR_JAX:002770

Description: Mus musculus with name B6.129S2-Cd40lg^{tm1Imx}/J from IMSR.

Species: Mus musculus

Synonyms: B6.129S2-Cd40/J. Cd40l. B6.129S2-Tnfsf5/J

Notes: gene symbol note: CD40 ligand; mutant strain|congenic strain: Cd40lg

Affected Gene: CD40 ligand

Genomic Alteration: targeted mutation 1; Immunex

Catalog Number: JAX:002770

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129S2-Cd40lg^{tm1Imx}/J

Record Creation Time: 20250513T053634+0000

Record Last Update: 20260725T044343+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S2-Cd40lg^{tm1Imx}/J.

No alerts have been found for B6.129S2-Cd40lg^{tm1Imx}/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 18 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

Unger LW, et al. (2022) Chronic CD40L blockade is required for long-term cardiac allograft survival with a clinically relevant CTLA4-Ig dosing regimen. Frontiers in immunology, 13, 1060576.

Omer-Javed A, et al. (2022) Mobilization-based chemotherapy-free engraftment of gene-edited human hematopoietic stem cells. Cell, 185(13), 2248.

Ma C, et al. (2022) Platelets control liver tumor growth through P2Y12-dependent CD40L release in NAFLD. Cancer cell, 40(9), 986.

Dawicki W, et al. (2021) CD40 signaling augments IL-10 expression and the tolerogenicity of IL-10-induced regulatory dendritic cells. PloS one, 16(4), e0248290.

Saadi F, et al. (2021) CD40L protects against mouse hepatitis virus-induced neuroinflammatory demyelination. PLoS pathogens, 17(12), e1010059.

Cui C, et al. (2021) Neoantigen-driven B cell and CD4 T follicular helper cell collaboration promotes anti-tumor CD8 T cell responses. Cell, 184(25), 6101.

Soni C, et al. (2020) Plasmacytoid Dendritic Cells and Type I Interferon Promote Extrafollicular B Cell Responses to Extracellular Self-DNA. Immunity, 52(6), 1022.

Serpas L, et al. (2019) Dnase1l3 deletion causes aberrations in length and end-motif frequencies in plasma DNA. Proceedings of the National Academy of Sciences of the United States of America, 116(2), 641.

Tay NQ, et al. (2017) CD40L Expression Allows CD8+ T Cells to Promote Their Own Expansion and Differentiation through Dendritic Cells. Frontiers in immunology, 8, 1484.

Villeneuve J, et al. (2017) A Role for CD154, the CD40 Ligand, in Granulomatous Inflammation. Mediators of inflammation, 2017, 2982879.

Gardell JL, et al. (2017) Despite disorganized synapse structure, Th2 cells maintain directional delivery of CD40L to antigen-presenting B cells. PloS one, 12(10), e0186573.

Provine NM, et al. (2016) Transient CD4+ T Cell Depletion Results in Delayed Development of Functional Vaccine-Elicited Antibody Responses. Journal of virology, 90(9), 4278.

Elsner RA, et al. (2015) Suppression of Long-Lived Humoral Immunity Following Borrelia burgdorferi Infection. PLoS pathogens, 11(7), e1004976.

Wang JW, et al. (2015) Immunologic Control of Mus musculus Papillomavirus Type 1. PLoS pathogens, 11(10), e1005243.

Pati NB, et al. (2013) Salmonella Typhimurium TTSS-2 deficient mig-14 mutant shows attenuation in immunocompromised mice and offers protection against wild-type Salmonella Typhimurium infection. BMC microbiology, 13, 236.

Shugart JA, et al. (2013) A self-help program for memory CD8+ T cells: positive feedback via CD40-CD40L signaling as a critical determinant of secondary expansion. PloS one, 8(5), e64878.

Davidson DC, et al. (2012) Excess soluble CD40L contributes to blood brain barrier permeability in vivo: implications for HIV-associated neurocognitive disorders. PloS one, 7(12), e51793.

Vishwakarma V, et al. (2012) Evaluation of Salmonella enterica serovar Typhimurium TTSS-2 deficient fur mutant as safe live-attenuated vaccine candidate for immunocompromised mice. PloS one, 7(12), e52043.