

Resource Summary Report

Generated by [NIF](#) on Sep 15, 2026

B6.129P2-Cd38^{tm1Lnd}/J

RRID:IMSR_JAX:003727

Type: Organism

Proper Citation

RRID:IMSR_JAX:003727

Organism Information

URL: <https://www.jax.org/strain/003727>

Proper Citation: RRID:IMSR_JAX:003727

Description: Mus musculus with name B6.129P2-Cd38^{tm1Lnd}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: CD38 antigen; mutant strain|congenic strain: Cd38

Affected Gene: CD38 antigen

Genomic Alteration: targeted mutation 1; Frances E Lund

Catalog Number: JAX:003727

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129P2-Cd38^{tm1Lnd}/J

Record Creation Time: 20250513T053641+0000

Record Last Update: 20260912T060425+0000

Ratings and Alerts

No rating or validation information has been found for B6.129P2-Cd38^{tm1Lnd}/J.

No alerts have been found for B6.129P2-Cd38^{tm1Lnd}/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](#) .

Chen HH, et al. (2026) CD38 endows local antigen-specific Treg cells with stress resilience for control of compartmentalized CNS inflammation. *Nature immunology*, 27(3), 516.

Zubiaur M, et al. (2025) CD38 deficiency leads to a defective short-lived transcriptomic response to chronic graft-versus-host disease induction, involving purinergic signaling-related genes and distinct transcriptomic signatures associated with lupus. *Frontiers in immunology*, 16, 1441981.

Alabarse PG, et al. (2024) The NADase CD38 is a central regulator in gouty inflammation and a novel druggable therapeutic target. *Inflammation research : official journal of the European Histamine Research Society ... [et al.]*.

Perrone R, et al. (2023) CD38 regulates ovarian function and fecundity via NAD⁺ metabolism. *iScience*, 26(10), 107949.

Meyer T, et al. (2022) NAD⁺ metabolism drives astrocyte proinflammatory reprogramming in central nervous system autoimmunity. *Proceedings of the National Academy of Sciences of the United States of America*, 119(35), e2211310119.

Carrillo-Rodríguez P, et al. (2022) Extracellular vesicles from pristane-treated CD38-deficient mice express an anti-inflammatory neutrophil protein signature, which reflects the mild lupus severity elicited in these mice. *Frontiers in immunology*, 13, 1013236.

Martínez-Blanco Á, et al. (2021) CD38 Deficiency Ameliorates Chronic Graft-Versus-Host Disease Murine Lupus via a B-Cell-Dependent Mechanism. *Frontiers in immunology*, 12, 713697.

Joe Y, et al. (2020) Cross-talk between CD38 and TTP Is Essential for Resolution of Inflammation during Microbial Sepsis. *Cell reports*, 30(4), 1063.

Mottahedeh J, et al. (2018) CD38 is methylated in prostate cancer and regulates extracellular NAD. *Cancer & metabolism*, 6, 13.

Chatterjee S, et al. (2018) CD38-NAD⁺Axis Regulates Immunotherapeutic Anti-Tumor T Cell Response. *Cell metabolism*, 27(1), 85.

Herrmann MM, et al. (2016) Identification of gene expression patterns crucially involved in experimental autoimmune encephalomyelitis and multiple sclerosis. *Disease models & mechanisms*, 9(10), 1211.