Resource Summary Report

Generated by Kravitz on Sep 19, 2026

B6.129S-Csf2^{tm1Mlg}/J

RRID:IMSR_JAX:026812
Type: Organism

Proper Citation

RRID:IMSR_JAX:026812

Organism Information

URL: https://www.jax.org/strain/026812

Proper Citation: RRID:IMSR_JAX:026812

Description: Mus musculus with name B6.129S-Csf2^{tm1Mlg}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: colony stimulating factor 2 (granulocyte-macrophage); mutant strain|congenic strain: Csf2

Affected Gene: colony stimulating factor 2 (granulocyte-macrophage)

Genomic Alteration: targeted mutation 1; Richard C Mulligan

Catalog Number: JAX:026812

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129S-Csf2^{tm1Mlg}/J

Record Creation Time: 20250513T053758+0000

Record Last Update: 20260919T054943+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S-Csf2^{tm1Mlg}/J.

No alerts have been found for B6.129S-Csf2^{tm1Mlg}/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 14 mentions in open access literature.

Listed below are recent publications. The full list is available at Kravitz .

Amon L, et al. (2025) GM-CSF and specific type 2 cytokines induce CD103+ and CD301b+ cell states in cDC1s and cDC2s. Cell reports, 44(12), 116589.

Xing Y, et al. (2025) Long-range deployment of tumor-antigen-specific cytotoxic T lymphocytes inhibits lung metastasis of breast cancer. Developmental cell.

Mills KAM, et al. (2024) GM-CSF-mediated epithelial-immune cell crosstalk orchestrates pulmonary immunity to Aspergillus fumigatus. bioRxiv : the preprint server for biology.

Ngo VL, et al. (2024) Intestinal microbiota programming of alveolar macrophages influences severity of respiratory viral infection. Cell host & microbe, 32(3), 335.

Taniguchi S, et al. (2023) In vivo induction of activin A-producing alveolar macrophages supports the progression of lung cell carcinoma. Nature communications, 14(1), 143.

Mudalagiriyappa S, et al. (2022) GM-CSF+ Tc17 cells are required to bolster vaccine immunity against lethal fungal pneumonia without causing overt pathology. Cell reports, 41(4), 111543.

Lund-Palau H, et al. (2022) Correction of a chronic pulmonary disease through lentiviral vector-mediated protein expression. Molecular therapy. Methods & clinical development, 25, 382.

Van Dis E, et al. (2022) IFN-?-independent control of M. tuberculosis requires CD4 T cell-derived GM-CSF and activation of HIF-1?. PLoS pathogens, 18(7), e1010721.

Murray MP, et al. (2022) Stimulation of a subset of natural killer T cells by CD103+ DC is required for GM-CSF and protection from pneumococcal infection. Cell reports, 38(2), 110209.

Jacquelot N, et al. (2021) Blockade of the co-inhibitory molecule PD-1 unleashes ILC2-dependent antitumor immunity in melanoma. Nature immunology, 22(7), 851.

Sudo T, et al. (2021) Group 2 innate lymphoid cells support hematopoietic recovery under stress conditions. The Journal of experimental medicine, 218(5).

Kaur K, et al. (2021) GM-CSF production by non-classical monocytes controls antagonistic LPS-driven functions in allergic inflammation. Cell reports, 37(13), 110178.

Liu X, et al. (2020) Legionella-Infected Macrophages Engage the Alveolar Epithelium to Metabolically Reprogram Myeloid Cells and Promote Antibacterial Inflammation. Cell host & microbe, 28(5), 683.

Hu Y, et al. (2019) Interleukin-1?-induced IRAK1 ubiquitination is required for TH-GM-CSF cell differentiation in T cell-mediated inflammation. Journal of autoimmunity, 102, 50.