Resource Summary Report

Generated by Kravitz on Sep 20, 2026

B6.Cg-Csf1r$^{tm1.2Jwp}$/J

RRID:IMSR_JAX:021212
Type: Organism

Proper Citation

RRID:IMSR_JAX:021212

Organism Information

URL: https://www.jax.org/strain/021212

Proper Citation: RRID:IMSR_JAX:021212

Description: Mus musculus with name B6.Cg-Csf1r$^{tm1.2Jwp}$/J from IMSR.

Species: Mus musculus

Synonyms: B6.Cg-Csf1r/J

Notes: gene symbol note: colony stimulating factor 1 receptor; mutant strain|congenic strain: Csf1r

Affected Gene: colony stimulating factor 1 receptor

Genomic Alteration: targeted mutation 1.2; Jeffrey W Pollard

Catalog Number: JAX:021212

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Csf1r$^{tm1.2Jwp}$/J

Record Creation Time: 20250513T053742+0000

Record Last Update: 20260919T054929+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Csf1r$^{tm1.2Jwp}$/J.

No alerts have been found for B6.Cg-Csf1r$^{tm1.2Jwp}$/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Cao K, et al. (2026) More than microglial depletion: PLX5622 activates the hepatic constitutive androstane receptor to alter anesthesia and addiction. Neuron, 114(8), 1419.

Watson LA, et al. (2026) Persistent and transient senescent cells contribute to brain-barrier development. Cell, 189(14), 4295.

Van Hove H, et al. (2025) Interleukin-34-dependent perivascular macrophages promote vascular function in the brain. Immunity, 58(5), 1289.

Aisenberg WH, et al. (2025) Direct microglia replacement reveals pathologic and therapeutic contributions of brain macrophages to a monogenic neurological disease. Immunity, 58(5), 1254.

Shi L, et al. (2025) Identification of novel macrophages and bone morphogenetic protein signals causing ectopic calcification and impairing muscle regeneration. iScience, 28(7), 112841.

Bastos J, et al. (2025) Monocytes can efficiently replace all brain macrophages and fetal liver monocytes can generate bona fide SALL1+ microglia. Immunity, 58(5), 1269.

Passino R, et al. (2024) Neutrophil-inflicted vasculature damage suppresses immune-mediated optic nerve regeneration. Cell reports, 43(3), 113931.

Profaci CP, et al. (2024) Microglia are not necessary for maintenance of blood-brain barrier properties in health, but PLX5622 alters brain endothelial cholesterol metabolism. Neuron, 112(17), 2910.

Chen C, et al. (2022) Cancer co-opts differentiation of B-cell precursors into macrophage-like cells. Nature communications, 13(1), 5376.

Arreola MA, et al. (2021) Microglial dyshomeostasis drives perineuronal net and synaptic loss in a CSF1R+/- mouse model of ALSP, which can be rescued via CSF1R inhibitors. Science advances, 7(35).

Williams JW, et al. (2020) Limited proliferation capacity of aortic intima resident macrophages requires monocyte recruitment for atherosclerotic plaque progression. Nature immunology, 21(10), 1194.

Luo L, et al. (2020) Optimizing Nervous System-Specific Gene Targeting with Cre Driver Lines: Prevalence of Germline Recombination and Influencing Factors. Neuron, 106(1), 37.

Tränkner D, et al. (2019) A Microglia Sublineage Protects from Sex-Linked Anxiety Symptoms and Obsessive Compulsion. Cell reports, 29(4), 791.

Puñal VM, et al. (2019) Large-scale death of retinal astrocytes during normal development is non-apoptotic and implemented by microglia. PLoS biology, 17(10), e3000492.

Durai V, et al. (2018) Altered compensatory cytokine signaling underlies the discrepancy between Flt3-/- and Flt3l-/- mice. The Journal of experimental medicine, 215(5), 1417.

Lim HY, et al. (2018) Hyaluronan Receptor LYVE-1-Expressing Macrophages Maintain Arterial Tone through Hyaluronan-Mediated Regulation of Smooth Muscle Cell Collagen. Immunity, 49(2), 326.