

Resource Summary Report

Generated by [PRECISE-TBI](#) on Jul 31, 2026

B6.Cg-Ccl2^{tm1.1Pame}/J

RRID:IMSR_JAX:016849

Type: Organism

Proper Citation

RRID:IMSR_JAX:016849

Organism Information

URL: <https://www.jax.org/strain/016849>

Proper Citation: RRID:IMSR_JAX:016849

Description: Mus musculus with name B6.Cg-Ccl2^{tm1.1Pame}/J from IMSR.

Species: Mus musculus

Synonyms: B6.Cg-Ccl2/J

Notes: gene symbol note: C-C motif chemokine ligand 2; mutant strain|congenic strain: Ccl2

Affected Gene: C-C motif chemokine ligand 2

Genomic Alteration: targeted mutation 1.1 Eric G Pamer

Catalog Number: JAX:016849

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Ccl2^{tm1.1Pame}/J

Record Creation Time: 20250513T053730+0000

Record Last Update: 20260725T044439+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Ccl2^{tm1.1Pame}/J.

No alerts have been found for B6.Cg-Ccl2^{tm1.1Pame/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 [PRECISE-TBI](#).

Stierli S, et al. (2026) A peripheral glial niche orchestrates the early stages of skin wound healing. Cell stem cell.

Yun H, et al. (2025) The production of the chemokine CCL2 by corneal sensory neurons initiates anti-viral immunity at the cornea and trigeminal ganglion. Cell reports, 45(1), 116693.

Rotterman TM, et al. (2024) Modulation of central synapse remodeling after remote peripheral injuries by the CCL2-CCR2 axis and microglia. Cell reports, 43(2), 113776.

Ko KI, et al. (2023) Distinct fibroblast progenitor subpopulation expedites regenerative mucosal healing by immunomodulation. The Journal of experimental medicine, 220(3).

Shi Z, et al. (2023) Microglia drive transient insult-induced brain injury by chemotactic recruitment of CD8+ T lymphocytes. Neuron, 111(5), 696.

Bellomo A, et al. (2020) Reticular Fibroblasts Expressing the Transcription Factor WT1 Define a Stromal Niche that Maintains and Replenishes Splenic Red Pulp Macrophages. Immunity, 53(1), 127.

Hu Z, et al. (2019) DLK mediates the neuronal intrinsic immune response and regulates glial reaction and neuropathic pain. Experimental neurology, 322, 113056.

Duan L, et al. (2018) PDGFR α Cells Rapidly Relay Inflammatory Signal from the Circulatory System to Neurons via Chemokine CCL2. Neuron, 100(1), 183.

Karlen SJ, et al. (2018) Monocyte infiltration rather than microglia proliferation dominates the early immune response to rapid photoreceptor degeneration. Journal of neuroinflammation, 15(1), 344.

Di Liberto G, et al. (2018) Neurons under T Cell Attack Coordinate Phagocyte-Mediated Synaptic Stripping. Cell, 175(2), 458.

Anzai A, et al. (2017) The infarcted myocardium solicits GM-CSF for the detrimental oversupply of inflammatory leukocytes. The Journal of experimental medicine, 214(11), 3293.