

Resource Summary Report

Generated by [NIF](#) on Sep 18, 2026

B6(C)-Ccr2^{tm1.1Cln}/J

RRID:IMSR_JAX:027619

Type: Organism

Proper Citation

RRID:IMSR_JAX:027619

Organism Information

URL: <https://www.jax.org/strain/027619>

Proper Citation: RRID:IMSR_JAX:027619

Description: Mus musculus with name B6(C)-Ccr2^{tm1.1Cln}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: C-C motif chemokine receptor 2|; mutant strain|congenic strain: Ccr2|

Affected Gene: C-C motif chemokine receptor 2|

Genomic Alteration: targeted mutation 1.1; Marco Colonna

Catalog Number: JAX:027619

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6(C)-Ccr2^{tm1.1Cln}/J

Record Creation Time: 20250513T053801+0000

Record Last Update: 20260912T060541+0000

Ratings and Alerts

No rating or validation information has been found for B6(C)-Ccr2^{tm1.1Cln}/J.

No alerts have been found for B6(C)-Ccr2^{tm1.1Cln}/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 [NIF](#) .

Lynch RW, et al. (2026) IL-4 treatment induces apoptosis of blood monocytes and proliferation of recruited injury-associated macrophages to resolve liver injury. *Cell reports*, 45(4), 117136.

Zhang X, et al. (2025) Repair-associated macrophages increase after early-phase microglia attenuation to promote ischemic stroke recovery. *Nature communications*, 16(1), 3089.

Li W, et al. (2025) A brain-to-lung signal from GABAergic neurons to ADRB2+ interstitial macrophages promotes pulmonary inflammatory responses. *Immunity*, 58(8), 2069.

De Ponti FF, et al. (2025) Spatially restricted and ontogenically distinct hepatic macrophages are required for tissue repair. *Immunity*, 58(2), 362.

Farooq H, et al. (2024) Molecular imaging in experimental pulmonary fibrosis reveals that nintedanib unexpectedly modulates CCR2 immune cell infiltration. *EBioMedicine*, 110, 105431.

Lin JB, et al. (2024) Targeting cell-type-specific, choroid-peripheral immune signaling to treat age-related macular degeneration. *Cell reports. Medicine*, 5(1), 101353.

Ryu S, et al. (2024) Regulatory T cells require peripheral CCL2-CCR2 signaling to facilitate the resolution of medication overuse headache-related behavioral sensitization. *The journal of headache and pain*, 25(1), 197.

Claeys W, et al. (2023) Experimental hepatic encephalopathy causes early but sustained glial transcriptional changes. *Journal of neuroinflammation*, 20(1), 130.

Dolfi B, et al. (2022) Unravelling the sex-specific diversity and functions of adrenal gland macrophages. *Cell reports*, 39(11), 110949.

Guilliams M, et al. (2022) Spatial proteogenomics reveals distinct and evolutionarily conserved hepatic macrophage niches. *Cell*, 185(2), 379.

Emoto T, et al. (2022) Colony stimulating factor-1 producing endothelial cells and mesenchymal stromal cells maintain monocytes within a perivascular bone marrow niche. *Immunity*, 55(5), 862.

Wong NR, et al. (2021) Resident cardiac macrophages mediate adaptive myocardial remodeling. *Immunity*, 54(9), 2072.

Zhao D, et al. (2021) Comparing Tumor Cell Invasion and Myeloid Cell Composition in Compatible Primary and Relapsing Glioblastoma. *Cancers*, 13(14).

Remmerie A, et al. (2020) Osteopontin Expression Identifies a Subset of Recruited Macrophages Distinct from Kupffer Cells in the Fatty Liver. *Immunity*, 53(3), 641.

Winkler ES, et al. (2020) The Intestinal Microbiome Restricts Alphavirus Infection and Dissemination through a Bile Acid-Type I IFN Signaling Axis. *Cell*, 182(4), 901.

Bosteels C, et al. (2020) Inflammatory Type 2 cDCs Acquire Features of cDC1s and Macrophages to Orchestrate Immunity to Respiratory Virus Infection. *Immunity*, 52(6), 1039.