

Resource Summary Report

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B6.129S4-Ccr2^{tm1lfc}/J

RRID:IMSR_JAX:004999

Type: Organism

Proper Citation

RRID:IMSR_JAX:004999

Organism Information

URL: <https://www.jax.org/strain/004999>

Proper Citation: RRID:IMSR_JAX:004999

Description: Mus musculus with name B6.129S4-Ccr2^{tm1lfc}/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; Israel F Charo

Catalog Number: JAX:004999

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129S4-Ccr2^{tm1lfc}/J

Record Creation Time: 20250513T053647+0000

Record Last Update: 20250513T053808+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S4-Ccr2^{tm1lfc}/J.

No alerts have been found for B6.129S4-Ccr2^{tm1lfc}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 114 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Waibl Polania J, et al. (2024) Antigen presentation by tumor-associated macrophages drives T cells from a progenitor exhaustion state to terminal exhaustion. *Immunity*.

Di Martino E, et al. (2024) Inflammatory, metabolic, and sex-dependent gene-regulatory dynamics of microglia and macrophages in neonatal hippocampus after hypoxia-ischemia. *iScience*, 27(4), 109346.

Grigsby SJ, et al. (2024) CpsA mediates infection of recruited lung myeloid cells by *Mycobacterium tuberculosis*. *Cell reports*, 43(1), 113607.

Mandula JK, et al. (2024) Jagged2 targeting in lung cancer activates anti-tumor immunity via Notch-induced functional reprogramming of tumor-associated macrophages. *Immunity*, 57(5), 1124.

Xu L, et al. (2023) METTL3 promotes hyperoxia-induced pyroptosis in neonatal bronchopulmonary dysplasia by inhibiting ATG8-mediated autophagy. *Clinics (Sao Paulo, Brazil)*, 78, 100253.

Rawat K, et al. (2023) CCL5-producing migratory dendritic cells guide CCR5+ monocytes into the draining lymph nodes. *The Journal of experimental medicine*, 220(6).

Zhang L, et al. (2023) CCR2 is a host entry receptor for severe fever with thrombocytopenia syndrome virus. *Science advances*, 9(31), eadg6856.

Hou F, et al. (2023) Distinct Transcriptional and Functional Differences of Lung Resident and Monocyte-Derived Alveolar Macrophages During the Recovery Period of Acute Lung Injury. *Immune network*, 23(3), e24.

Wang J, et al. (2023) Bacterial meningitis in the early postnatal mouse studied at single-cell resolution. *eLife*, 12.

Ma W, et al. (2023) Type I interferon response in astrocytes promotes brain metastasis by enhancing monocytic myeloid cell recruitment. *Nature communications*, 14(1), 2632.

Uehara Y, et al. (2023) Insights into pulmonary phosphate homeostasis and osteoclastogenesis emerge from the study of pulmonary alveolar microlithiasis. *Nature communications*, 14(1), 1205.

Yerra VG, et al. (2023) Pressure overload induces ISG15 to facilitate adverse ventricular remodeling and promote heart failure. *The Journal of clinical investigation*, 133(9).

Kim BH, et al. (2023) CCL2 is required for initiation but not persistence of HIV infection mediated neurocognitive disease in mice. *Scientific reports*, 13(1), 6577.

Lienard J, et al. (2023) Intragranuloma Accumulation and Inflammatory Differentiation of Neutrophils Underlie Mycobacterial ESX-1-Dependent Immunopathology. *mBio*, 14(2), e0276422.

Jung HE, et al. (2023) Intranasal delivery of an adenovirus-vector vaccine co-expressing a modified spike protein and a genetic adjuvant confers lasting mucosal immunity against SARS-CoV-2. *Antiviral research*, 216, 105656.

Li XF, et al. (2023) Macrophages promote anti-androgen resistance in prostate cancer bone disease. *The Journal of experimental medicine*, 220(4).

Montgomery AB, et al. (2023) Tissue-resident, extravascular Ly6c⁺ monocytes are critical for inflammation in the synovium. *Cell reports*, 42(5), 112513.

Voisin B, et al. (2023) Macrophage-mediated extracellular matrix remodeling controls host *Staphylococcus aureus* susceptibility in the skin. *Immunity*, 56(7), 1561.

Arendt KAM, et al. (2022) An In Vivo Inflammatory Loop Potentiates KRAS Blockade. *Biomedicines*, 10(3).

Roche V, et al. (2022) BG34-200 Immunotherapy of Advanced Melanoma. *Cancers*, 14(23).