

Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

B6.129S2(C)-Cxcr2^{tm1Mwm}/J

RRID:IMSR_JAX:006848

Type: Organism

Proper Citation

RRID:IMSR_JAX:006848

Organism Information

URL: <https://www.jax.org/strain/006848>

Proper Citation: RRID:IMSR_JAX:006848

Description: Mus musculus with name B6.129S2(C)-Cxcr2^{tm1Mwm}/J from IMSR.

Species: Mus musculus

Synonyms: B6.129S2(C)-Il8rb/J

Notes: gene symbol note: C-X-C motif chemokine receptor 2; mutant strain|congenic strain: Cxcr2

Affected Gene: C-X-C motif chemokine receptor 2

Genomic Alteration: targeted mutation 1; Mark Moore

Catalog Number: JAX:006848

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129S2(C)-Cxcr2^{tm1Mwm}/J

Record Creation Time: 20250513T053659+0000

Record Last Update: 20260912T060445+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S2(C)-Cxcr2^{tm1Mwm}/J.

No alerts have been found for B6.129S2(C)-Cxcr2^{tm1Mwm}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 8 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#).

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

Agarwal P, et al. (2021) TNF-??-induced alterations in stromal progenitors enhance leukemic stem cell growth via CXCR2 signaling. *Cell reports*, 36(2), 109386.

Lovewell RR, et al. (2021) Granulocytes act as a niche for *Mycobacterium tuberculosis* growth. *Mucosal immunology*, 14(1), 229.

Michael BD, et al. (2020) Astrocyte- and Neuron-Derived CXCL1 Drives Neutrophil Transmigration and Blood-Brain Barrier Permeability in Viral Encephalitis. *Cell reports*, 32(11), 108150.

Di Mitri D, et al. (2019) Re-education of Tumor-Associated Macrophages by CXCR2 Blockade Drives Senescence and Tumor Inhibition in Advanced Prostate Cancer. *Cell reports*, 28(8), 2156.

Arnandis T, et al. (2018) Oxidative Stress in Cells with Extra Centrosomes Drives Non-Cell-Autonomous Invasion. *Developmental cell*, 47(4), 409.

Chung L, et al. (2018) *Bacteroides fragilis* Toxin Coordinates a Pro-carcinogenic Inflammatory Cascade via Targeting of Colonic Epithelial Cells. *Cell host & microbe*, 23(2), 203.

Wang L, et al. (2016) Genetic and Pharmacologic Inhibition of the Chemokine Receptor CXCR2 Prevents Experimental Hypertension and Vascular Dysfunction. *Circulation*, 134(18), 1353.