Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 16, 2025

B6.129P2-Cxcr3^{tm1Dgen}/J

RRID:IMSR_JAX:005796
Type: Organism

Proper Citation

RRID:IMSR_JAX:005796

Organism Information

URL: https://www.jax.org/strain/005796

Proper Citation: RRID:IMSR_JAX:005796

Description: Mus musculus with name B6.129P2-Cxcr3^{tm1Dgen}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: C-X-C motif chemokine receptor 3|beta-galactosidase; mutant strain|congenic strain: Cxcr3|lacZ

Affected Gene: C-X-C motif chemokine receptor 3|beta-galactosidase

Genomic Alteration: targeted mutation 1; Deltagen

Catalog Number: JAX:005796

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129P2-Cxcr3^{tm1Dgen}/J

Record Creation Time: 20250513T053652+0000

Record Last Update: 20250513T053817+0000

Ratings and Alerts

No rating or validation information has been found for B6.129P2-Cxcr3^{tm1Dgen}/J.

No alerts have been found for B6.129P2-Cxcr3^{tm1Dgen}/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 29 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Ball AG, et al. (2024) Poly I:C vaccination drives transient CXCL9 expression near B cell follicles in the lymph node through type-I and type-II interferon signaling. Cytokine, 183, 156731.

Zhao Q, et al. (2023) FGL2-targeting T cells exhibit antitumor effects on glioblastoma and recruit tumor-specific brain-resident memory T cells. Nature communications, 14(1), 735.

Moreno Ayala MA, et al. (2023) CXCR3 expression in regulatory T cells drives interactions with type I dendritic cells in tumors to restrict CD8+ T cell antitumor immunity. Immunity, 56(7), 1613.

Bangs DJ, et al. (2022) CXCR3 regulates stem and proliferative CD8+ T cells during chronic infection by promoting interactions with DCs in splenic bridging channels. Cell reports, 38(3), 110266.

Gregoire C, et al. (2022) Viral infection engenders bona fide and bystander subsets of lung-resident memory B cells through a permissive mechanism. Immunity, 55(7), 1216.

Pal S, et al. (2022) The microbiome restrains melanoma bone growth by promoting intestinal NK and Th1 cell homing to bone. The Journal of clinical investigation, 132(12).

Liu Q, et al. (2022) IL-1?-activated mTORC2 promotes accumulation of IFN-?+ ?? T cells by upregulating CXCR3 to restrict hepatic fibrosis. Cell death & disease, 13(4), 289.

Wellford SA, et al. (2022) Mucosal plasma cells are required to protect the upper airway and brain from infection. Immunity, 55(11), 2118.

Yan Y, et al. (2021) Interferon regulatory factor 1(IRF-1) activates anti-tumor immunity via CXCL10/CXCR3 axis in hepatocellular carcinoma (HCC). Cancer letters, 506, 95.

Vonderhaar EP, et al. (2021) STING Activated Tumor-Intrinsic Type I Interferon Signaling

Promotes CXCR3 Dependent Antitumor Immunity in Pancreatic Cancer. Cellular and molecular gastroenterology and hepatology, 12(1), 41.

Umeda K, et al. (2021) Transcriptomic Analysis of the Effects of Chemokine Receptor CXCR3 Deficiency on Immune Responses in the Mouse Brain during Toxoplasma gondii Infection. Microorganisms, 9(11).

Prizant H, et al. (2021) CXCL10+ peripheral activation niches couple preferred sites of Th1 entry with optimal APC encounter. Cell reports, 36(6), 109523.

Srivastava S, et al. (2021) Immunogenic Chemotherapy Enhances Recruitment of CAR-T Cells to Lung Tumors and Improves Antitumor Efficacy when Combined with Checkpoint Blockade. Cancer cell, 39(2), 193.

Rolfes V, et al. (2020) Platelets Fuel the Inflammasome Activation of Innate Immune Cells. Cell reports, 31(6), 107615.

Guo Y, et al. (2020) During Aspergillus Infection, Monocyte-Derived DCs, Neutrophils, and Plasmacytoid DCs Enhance Innate Immune Defense through CXCR3-Dependent Crosstalk. Cell host & microbe, 28(1), 104.

Berretta F, et al. (2019) Plasmodium chabaudi AS Infection Induces CD4+ Th1 Cells and Foxp3+T-bet+ Regulatory T Cells That Express CXCR3 and Migrate to CXCR3 Ligands. Frontiers in immunology, 10, 425.

Bonanni V, et al. (2019) Targeting of CXCR3 improves anti-myeloma efficacy of adoptively transferred activated natural killer cells. Journal for immunotherapy of cancer, 7(1), 290.

Oh JE, et al. (2019) Migrant memory B cells secrete luminal antibody in the vagina. Nature, 571(7763), 122.

Gaylo-Moynihan A, et al. (2019) Programming of Distinct Chemokine-Dependent and -Independent Search Strategies for Th1 and Th2 Cells Optimizes Function at Inflamed Sites. Immunity, 51(2), 298.

Wang W, et al. (2019) Type I Interferon Therapy Limits CNS Autoimmunity by Inhibiting CXCR3-Mediated Trafficking of Pathogenic Effector T Cells. Cell reports, 28(2), 486.