

Resource Summary Report

Generated by [ASWG](#) on Aug 9, 2026

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: 20260808T050854+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 31 mentions in open access literature.

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

Zhang Y, et al. (2026) Preoperative exercise induces anti-tumor Kupffer cells to prevent surgical stress-promoted colorectal cancer liver metastasis. *Cell reports. Medicine*, 7(2), 102589.

Canaday LM, et al. (2025) Refined cell transfer model reveals roles for *Ascl2* and *Cxcr3* in splenic localization of mouse NK cells during virus infection. *Journal of immunology* (Baltimore, Md. : 1950), 214(8), 1917.

Haniuda K, et al. (2025) Mucosal viral infection elicits long-lived IgA responses via type 1 follicular helper T cells. *Cell*, 188(24), 6774.

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 β -activated mTORC2 promotes accumulation of IFN- γ ⁺ Th1 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.