

Resource Summary Report

Generated by [RRID](#) on Aug 1, 2026

[B6.129P2-Cxcr6^{tm1Litt/J}](#)

RRID:IMSR_JAX:005693

Type: Organism

Proper Citation

RRID:IMSR_JAX:005693

Organism Information

URL: <https://www.jax.org/strain/005693>

Proper Citation: RRID:IMSR_JAX:005693

Description: Mus musculus with name B6.129P2-Cxcr6^{tm1Litt/J} from IMSR.

Species: Mus musculus

Notes: gene symbol note: C-X-C motif chemokine receptor 6|; mutant strain|congenic strain: Cxcr6|

Affected Gene: C-X-C motif chemokine receptor 6|

Genomic Alteration: targeted mutation 1; Daniel Littman

Catalog Number: JAX:005693

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129P2-Cxcr6^{tm1Litt/J}

Record Creation Time: 20250513T053651+0000

Record Last Update: 20260801T050354+0000

Ratings and Alerts

No rating or validation information has been found for B6.129P2-Cxcr6^{tm1Litt/J}.

No alerts have been found for B6.129P2-Cxcr6^{tm1Litt/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 23 mentions in open access literature.

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

Zhang Q, et al. (2025) Intravascular immune surveillance against viremia requires spatiotemporal coordination between Kupffer cells and ILC1s. *Cell reports*, 44(11), 116488.

Nater M, et al. (2025) Hepatic iNKT cells facilitate colorectal cancer metastasis by inducing a fibrotic niche in the liver. *iScience*, 28(5), 112364.

Lauver MD, et al. (2025) The CXCR6-CXCL16 axis mediates T cell control of polyomavirus infection in the kidney. *PLoS pathogens*, 21(3), e1012969.

Liang Z, et al. (2024) Intestinal CXCR6+ ILC3s migrate to the kidney and exacerbate renal fibrosis via IL-23 receptor signaling enhanced by PD-1 expression. *Immunity*, 57(6), 1306.

Heim TA, et al. (2023) CXCR6 promotes dermal CD8 + T cell survival and transition to long-term tissue residence. *bioRxiv : the preprint server for biology*.

Li J, et al. (2023) Mechanisms of antigen-induced reversal of CNS inflammation in experimental demyelinating disease. *Science advances*, 9(9), eabo2810.

Dai B, et al. (2022) Intravital molecular imaging reveals that ROS-caspase-3-GSDME-induced cell punching enhances humoral immunotherapy targeting intracellular tumor antigens. *Theranostics*, 12(17), 7603.

Dähling S, et al. (2022) Type 1 conventional dendritic cells maintain and guide the differentiation of precursors of exhausted T cells in distinct cellular niches. *Immunity*, 55(4), 656.

Wabitsch S, et al. (2022) Metformin treatment rescues CD8+ T-cell response to immune checkpoint inhibitor therapy in mice with NAFLD. *Journal of hepatology*, 77(3), 748.

Ataide MA, et al. (2022) Lymphatic migration of unconventional T cells promotes site-specific immunity in distinct lymph nodes. *Immunity*, 55(10), 1813.

Hanasoge Somasundara AV, et al. (2021) Parity-induced changes to mammary epithelial cells control NKT cell expansion and mammary oncogenesis. *Cell reports*, 37(10), 110099.

Mathä L, et al. (2021) Migration of Lung Resident Group 2 Innate Lymphoid Cells Link Allergic Lung Inflammation and Liver Immunity. *Frontiers in immunology*, 12, 679509.

Di Pilato M, et al. (2021) CXCR6 positions cytotoxic T cells to receive critical survival signals in the tumor microenvironment. *Cell*, 184(17), 4512.

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.

Qi S, et al. (2020) Neutrophil infiltration and whole-cell vaccine elicited by N-dihydrogalactochitosan combined with NIR phototherapy to enhance antitumor immune response and T cell immune memory. *Theranostics*, 10(4), 1814.

Takamura S, et al. (2019) Interstitial-resident memory CD8⁺ T cells sustain frontline epithelial memory in the lung. *The Journal of experimental medicine*, 216(12), 2736.

Roediger B, et al. (2018) An Atypical Parvovirus Drives Chronic Tubulointerstitial Nephropathy and Kidney Fibrosis. *Cell*, 175(2), 530.

Lepore F, et al. (2018) CXCL16/CXCR6 Axis Drives Microglia/Macrophages Phenotype in Physiological Conditions and Plays a Crucial Role in Glioma. *Frontiers in immunology*, 9, 2750.

Qi S, et al. (2016) Long-term intravital imaging of the multicolor-coded tumor microenvironment during combination immunotherapy. *eLife*, 5.

Robinette ML, et al. (2015) Transcriptional programs define molecular characteristics of innate lymphoid cell classes and subsets. *Nature immunology*, 16(3), 306.