

Resource Summary Report

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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|C-X-C motif chemokine receptor 6|; mutant strain: Cxcr6|Cxcr6|

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

Genomic Alteration: targeted mutation 1; Daniel Littman

Catalog Number: JAX:005693

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: live

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

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: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

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.

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.

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.

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.

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.

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

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.

Rosito M, et al. (2014) Transmembrane chemokines CX3CL1 and CXCL16 drive interplay between neurons, microglia and astrocytes to counteract pMCAO and excitotoxic neuronal death. *Frontiers in cellular neuroscience*, 8, 193.

Gray EE, et al. (2012) Subcapsular sinus macrophage fragmentation and CD169⁺ bleb acquisition by closely associated IL-17-committed innate-like lymphocytes. *PloS one*, 7(6), e38258.

Scanlon ST, et al. (2011) Airborne lipid antigens mobilize resident intravascular NKT cells to induce allergic airway inflammation. *The Journal of experimental medicine*, 208(10), 2113.