Resource Summary Report

Generated by NIF on Aug 3, 2026

B6.129P2(Cg)-Cx3cr1^{tm1Litt}/J

RRID:IMSR_JAX:005582
Type: Organism

Proper Citation

RRID:IMSR_JAX:005582

Organism Information

URL: https://www.jax.org/strain/005582

Proper Citation: RRID:IMSR_JAX:005582

Description: Mus musculus with name B6.129P2(Cg)-Cx3cr1^{tm1Litt}/J from IMSR.

Species: Mus musculus

Synonyms: B6.129P-Cx3cr1/J. B6.129P2-Cx3cr1/J

Notes: gene symbol note: C-X3-C motif chemokine receptor 1|; mutant strain|congenic strain: Cx3cr1|

Affected Gene: C-X3-C motif chemokine receptor 1|

Genomic Alteration: targeted mutation 1; Dan R Littman

Catalog Number: JAX:005582

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129P2(Cg)-Cx3cr1^{tm1Litt}/J

Record Creation Time: 20250513T053650+0000

Record Last Update: 20260801T050353+0000

Ratings and Alerts

No rating or validation information has been found for B6.129P2(Cg)-Cx3cr1^{tm1Litt}/J.

No alerts have been found for B6.129P2(Cg)-Cx3cr1^{tm1Litt}/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 278 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Muppirala AN, et al. (2026) Tachykinin signaling defines distinct populations of glia in the enteric nervous system. Neuron.

Eme-Scolan E, et al. (2026) Remodeling of skull bone channels regulates immune infiltration into the meninges during neuroinflammation. Immunity, 59(1), 116.

Hamagami N, et al. (2026) State-specific enhancer landscapes govern microglial plasticity. Immunity.

Wang Y, et al. (2025) CXCL10highTNF?highKi67+ Microglia Recruit and Activate CD8+ T Cells in the Brainstem During Experimental Cerebral Malaria. CNS neuroscience & therapeutics, 31(6), e70425.

Sotani N, et al. (2025) Transpupillary in vivo two-photon imaging reveals enhanced surveillance of retinal microglia in diabetic mice. Proceedings of the National Academy of Sciences of the United States of America, 122(41), e2426241122.

Hamagami N, et al. (2025) Microglial plasticity governed by state-specific enhancer landscapes. bioRxiv : the preprint server for biology.

Li L, et al. (2025) A bladder-blood immune barrier constituted by suburothelial perivascular macrophages restrains uropathogen dissemination. Immunity, 58(3), 568.

Noel RL, et al. (2025) Focused ultrasound-induced blood-brain barrier opening promotes glioprotective phenotypes in ACSA-II+ murine astrocytes. iScience, 28(8), 113173.

Zawadzki ME, et al. (2025) Fluid-Niche and Microglial Signatures Prime Robust Intraventricular Macrophage Response to Blood During Brain Development. bioRxiv : the preprint server for biology.

Gazard CM, et al. (2025) Behavioral Settings are Crucial for Assessing Sensorimotor, Anxiety, and Social Changes in Aging and Spinal Cord Injury. Brain and behavior, 15(7), e70686.

Faust TE, et al. (2025) Microglia-astrocyte crosstalk regulates synapse remodeling via Wnt signaling. Cell.

Power D, et al. (2025) Photoreceptor loss does not recruit neutrophils despite strong microglial activation. eLife, 13.

Stephenson RA, et al. (2025) Triglyceride metabolism controls inflammation and microglial phenotypes associated with APOE4. Cell reports, 44(7), 115961.

Moran ER, et al. (2025) Microglial Engulfment of Multisensory Terminals in the Midbrain Inferior Colliculus During an Early Critical Period. The Journal of comparative neurology, 533(3), e70033.

Kim SH, et al. (2025) IL-10 sensing by lung interstitial macrophages prevents bacterial dysbiosis-driven pulmonary inflammation and maintains immune homeostasis. Immunity, 58(5), 1306.

Martín-Ávila A, et al. (2025) Clearing truncated tau protein restores neuronal function and prevents microglia activation in tauopathy mice. Cell reports, 44(10), 116291.

Xie M, et al. (2025) Rod-shaped microglia interact with neuronal dendrites to attenuate cortical excitability during TDP-43-related neurodegeneration. Immunity.

Fremuth LE, et al. (2025) Neuraminidase 1 regulates neuropathogenesis by governing the cellular state of microglia via modulation of Trem2 sialylation. Cell reports, 44(1), 115204.

Campagno KE, et al. (2025) Priming and release of cytokine IL-1? in microglial cells from the retina. Experimental eye research, 252, 110246.

Lu Q, et al. (2025) Microglial clock dysfunction during neuroinflammation impairs oligodendrocyte progenitor cell recruitment and disrupts neuroimmune homeostasis. Frontiers in immunology, 16, 1620343.