Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 15, 2024

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||C-X3-C motif chemokine receptor 1; mutant strain: |Cx3cr1||Cx3cr1

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

Genomic Alteration: targeted mutation 1; Dan R Littman

Catalog Number: JAX:005582

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: live

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

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: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 234 mentions in open access literature.

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

Castro RW, et al. (2024) Aging spinal cord microglia become phenotypically heterogeneous and preferentially target motor neurons and their synapses. Glia, 72(1), 206.

Gellner AK, et al. (2024) Cx3cr1 deficiency interferes with learning- and direct current stimulation-mediated neuroplasticity of the motor cortex. The European journal of neuroscience, 59(2), 177.

Kou T, et al. (2024) RBP-J regulates homeostasis and function of circulating Ly6Clo monocytes. eLife, 12.

Wang Y, et al. (2024) BACH1 changes microglial metabolism and affects astrogenesis during mouse brain development. Developmental cell, 59(1), 108.

Escoubas CC, et al. (2024) Type-I-interferon-responsive microglia shape cortical development and behavior. Cell.

Cealie MY, et al. (2024) Developmental Ethanol Exposure Impacts Purkinje Cells but Not Microglia in the Young Adult Cerebellum. Cells, 13(5).

Yang Q, et al. (2024) Revealing in vivo cellular mechanisms of cerebral microbleeds on neurons and microglia across cortical layers. iScience, 27(4), 109371.

Araki T, et al. (2024) Microglia induce auditory dysfunction after status epilepticus in mice. Glia, 72(2), 274.

Rotterman TM, et al. (2024) Modulation of central synapse remodeling after remote peripheral injuries by the CCL2-CCR2 axis and microglia. Cell reports, 43(2), 113776.

Wei HR, et al. (2024) A microglial activation cascade across cortical regions underlies secondary mechanical hypersensitivity to amputation. Cell reports, 43(2), 113804.

Lawrence AR, et al. (2024) Microglia maintain structural integrity during fetal brain morphogenesis. Cell, 187(4), 962.

Brunialti E, et al. (2023) Sex-Specific Microglial Responses to Glucocerebrosidase Inhibition: Relevance to GBA1-Linked Parkinson's Disease. Cells, 12(3).

Alexanian M, et al. (2023) Chromatin Remodeling Drives Immune-Fibroblast Crosstalk in Heart Failure Pathogenesis. bioRxiv : the preprint server for biology.

Stillman JM, et al. (2023) Lipofuscin-like autofluorescence within microglia and its impact on studying microglial engulfment. Nature communications, 14(1), 7060.

Wang X, et al. (2023) CX3CL1/CX3CR1 signal mediates M1-type microglia and accelerates high-altitude-induced forgetting. Frontiers in cellular neuroscience, 17, 1189348.

Meller SJ, et al. (2023) Microglia Maintain Homeostatic Conditions in the Developing Rostral Migratory Stream. eNeuro, 10(2).

Guimarães RM, et al. (2023) Neuron-associated macrophage proliferation in the sensory ganglia is associated with peripheral nerve injury-induced neuropathic pain involving CX3CR1 signaling. eLife, 12.

Akasaka H, et al. (2023) Normal saline remodels the omentum and stimulates its receptivity for transcoelomic metastasis. JCI insight, 8(12).

Schonhoff AM, et al. (2023) Border-associated macrophages mediate the neuroinflammatory response in an alpha-synuclein model of Parkinson disease. Nature communications, 14(1), 3754.

Torow N, et al. (2023) M cell maturation and cDC activation determine the onset of adaptive immune priming in the neonatal Peyer's patch. Immunity, 56(6), 1220.