Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 8, 2025

B6J.B6N(Cg)-Cx3cr1$^{tm1.1(cre)Jung}$/J

RRID:IMSR_JAX:025524
Type: Organism

Proper Citation

RRID:IMSR_JAX:025524

Organism Information

URL: https://www.jax.org/strain/025524

Proper Citation: RRID:IMSR_JAX:025524

Description: Mus musculus with name B6J.B6N(Cg)-Cx3cr1$^{tm1.1(cre)Jung}$/J from IMSR.

Species: Mus musculus

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 1.1; Steffen Jung

Catalog Number: JAX:025524

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: live

Alternate IDs: IMSR_JAX:25524

Organism Name: B6J.B6N(Cg)-Cx3cr1$^{tm1.1(cre)Jung}$/J

Record Creation Time: 20230509T193321+0000

Record Last Update: 20250407T165830+0000

Ratings and Alerts

No rating or validation information has been found for B6J.B6N(Cg)-Cx3cr1$^{tm1.1(cre)Jung}$/J.

No alerts have been found for B6J.B6N(Cg)-Cx3cr1$^{tm1.1(cre)Jung}$/J.

Data and Source Information

Source: Integrated Animals

Source Database: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 49 mentions in open access literature.

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

Huang S, et al. (2024) Disruption of the Na+/K+-ATPase-purinergic P2X7 receptor complex in microglia promotes stress-induced anxiety. Immunity, 57(3), 495.

Viengkhou B, et al. (2024) The brain microvasculature is a primary mediator of interferon-? neurotoxicity in human cerebral interferonopathies. Immunity, 57(7), 1696.

Trzebanski S, et al. (2024) Classical monocyte ontogeny dictates their functions and fates as tissue macrophages. Immunity, 57(6), 1225.

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

Hu J, et al. (2024) UFObow: A single-wavelength excitable Brainbow for simultaneous multicolor ex-vivo and in-vivo imaging of mammalian cells. Communications biology, 7(1), 394.

Nakanishi Y, et al. (2024) Semaphorin 6D tunes amygdalar circuits for emotional, metabolic, and inflammatory outputs. Neuron, 112(17), 2955.

Abdelbasset M, et al. (2024) Differential contributions of fetal mononuclear phagocytes to Zika virus neuroinvasion versus neuroprotection during congenital infection. Cell, 187(26), 7511.

Zhang K, et al. (2024) VISTA promotes the metabolism and differentiation of myeloid-derived suppressor cells by STAT3 and polyamine-dependent mechanisms. Cell reports, 43(1), 113661.

Chu J, et al. (2023) ATP-releasing SWELL1 channel in spinal microglia contributes to neuropathic pain. Science advances, 9(13), eade9931.

McKinsey GL, et al. (2023) Radial glia promote microglial development through integrin ?V?8 -TGF?1 signaling. bioRxiv : the preprint server for biology.

Shimizu T, et al. (2023) Direct activation of microglia by ?-glucosylceramide causes phagocytosis of neurons that exacerbates Gaucher disease. Immunity, 56(2), 307.

Kak G, et al. (2023) IL-10 production by granulocytes promotes Staphylococcus aureus craniotomy infection. Journal of neuroinflammation, 20(1), 114.

Yan X, et al. (2022) Macrophage-derived IGF-1 protects the neonatal intestine against necrotizing enterocolitis by promoting microvascular development. Communications biology, 5(1), 320.

Zheng ZV, et al. (2022) Novel role of STAT3 in microglia-dependent neuroinflammation after experimental subarachnoid haemorrhage. Stroke and vascular neurology, 7(1), 62.

Heinisch O, et al. (2022) Erythropoietin Abrogates Post-Ischemic Activation of the NLRP3, NLRC4, and AIM2 Inflammasomes in Microglia/Macrophages in a TAK1-Dependent Manner. Translational stroke research, 13(3), 462.

Scull CE, et al. (2022) Cftr deletion in mouse epithelial and immune cells differentially influence the intestinal microbiota. Communications biology, 5(1), 1130.

Zhao F, et al. (2022) Brain milieu induces early microglial maturation through the BAX-Notch axis. Nature communications, 13(1), 6117.

Zhang Q, et al. (2022) TH17 cells promote CNS inflammation by sensing danger signals via Mincle. Nature communications, 13(1), 2406.

Schappe MS, et al. (2022) Efferocytosis requires periphagosomal Ca2+-signaling and TRPM7-mediated electrical activity. Nature communications, 13(1), 3230.

He D, et al. (2022) Disruption of the IL-33-ST2-AKT signaling axis impairs neurodevelopment by inhibiting microglial metabolic adaptation and phagocytic function. Immunity, 55(1), 159.