

Resource Summary Report

Generated by [dkNET](#) on Sep 6, 2026

CX3CR1 antibody

RRID:AB_306203

Type: Antibody

Proper Citation

Abcam Cat# ab8021, RRID:AB_306203

Antibody Information

URL: http://antibodyregistry.org/AB_306203

Proper Citation: Abcam Cat# ab8021, RRID:AB_306203

Target Antigen: CX3CR1

Host Organism: rabbit

Clonality: polyclonal

Comments: validation status unknown, seller recommendations provided in 2012: Immunohistochemistry; Western Blot; Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-P, Western Blot

Antibody Name: CX3CR1 antibody

Description: This polyclonal targets CX3CR1

Target Organism: rat, mouse, human

Antibody ID: AB_306203

Vendor: Abcam

Catalog Number: ab8021

Record Creation Time: 20231110T045046+0000

Record Last Update: 20260829T011431+0000

Ratings and Alerts

No rating or validation information has been found for CX3CR1 antibody.

No alerts have been found for CX3CR1 antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Li S, et al. (2025) Microglia mediated by LAG3 regulate astrocyte morphogenesis in the brain white matter. Cell reports, 44(8), 116112.

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

Wu CT, et al. (2023) SARS-CoV-2 replication in airway epithelia requires motile cilia and microvillar reprogramming. Cell, 186(1), 112.

Chen L, et al. (2023) Synergy of 5-aminolevulinate supplement and CX3CR1 suppression promotes liver regeneration via elevated IGF-1 signaling. Cell reports, 42(8), 112984.

Trinh T, et al. (2023) CX3CR1 deficiency-induced TIL tumor restriction as a novel addition for CAR-T design in solid malignancies. iScience, 26(4), 106443.

Yu SS, et al. (2022) M1-type microglia can induce astrocytes to deposit chondroitin sulfate proteoglycan after spinal cord injury. Neural regeneration research, 17(5), 1072.

Timmerman R, et al. (2022) Transcriptome analysis reveals the contribution of oligodendrocyte and radial glia-derived cues for maintenance of microglia identity. Glia, 70(4), 728.

Liu H, et al. (2021) Pro-inflammatory and proliferative microglia drive progression of glioblastoma. Cell reports, 36(11), 109718.

Fu Y, et al. (2021) Heterogeneity of glial progenitor cells during the neurogenesis-to-gliogenesis switch in the developing human cerebral cortex. Cell reports, 34(9), 108788.

Cao P, et al. (2021) Early-life inflammation promotes depressive symptoms in adolescence via microglial engulfment of dendritic spines. Neuron, 109(16), 2573.

Xu Y, et al. (2021) Single-cell transcriptome analysis reveals the dynamics of human immune cells during early fetal skin development. Cell reports, 36(6), 109524.

Wanjalla CN, et al. (2021) Single-cell analysis shows that adipose tissue of persons with both HIV and diabetes is enriched for clonal, cytotoxic, and CMV-specific CD4+ T??cells. Cell reports. Medicine, 2(2), 100205.

Nagashimada M, et al. (2021) CX3CL1-CX3CR1 Signaling Deficiency Exacerbates Obesity-induced Inflammation and Insulin Resistance in Male Mice. *Endocrinology*, 162(6).

Paubelle E, et al. (2020) Vitamin D Receptor Controls Cell Stemness in Acute Myeloid Leukemia and in Normal Bone Marrow. *Cell reports*, 30(3), 739.

Ryan SK, et al. (2020) Protocol for Tri-culture of hiPSC-Derived Neurons, Astrocytes, and Microglia. *STAR protocols*, 1(3), 100190.

Wang J, et al. (2020) Liver Immune Profiling Reveals Pathogenesis and Therapeutics for Biliary Atresia. *Cell*, 183(7), 1867.

Lee S, et al. (2014) Opposing effects of membrane-anchored CX3CL1 on amyloid and tau pathologies via the p38 MAPK pathway. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 34(37), 12538.