

Resource Summary Report

Generated by [dkNET](#) on Sep 21, 2026

STOCK Tg(Cx3cr1-cre)MW126Gsat/Mmucd

RRID:MMRRC_036395-UCD

Type: Organism

Proper Citation

RRID:MMRRC_036395-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=36395

Proper Citation: RRID:MMRRC_036395-UCD

Description: Mus musculus with name STOCK Tg(Cx3cr1-cre)MW126Gsat/Mmucd from MMRRC.

Species: Mus musculus

Notes: Research areas: Cell Biology, Developmental Biology, Neurobiology, Research Tools; Mutation Type: Transgenic ; Collection: GENSAT

Affected Gene: Cx3cr1|cre|

Catalog Number: 036395-UCD

Background: Transgenic

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:14586460](#)

Alternate IDs: MMRRC_36395-UCD, MMRRC_036395, MMRRC_36395

Organism Name: STOCK Tg(Cx3cr1-cre)MW126Gsat/Mmucd

Record Creation Time: 20230308T055145+0000

Record Last Update: 20260919T133926+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Tg(Cx3cr1-cre)MW126Gsat/Mmucd.

No alerts have been found for STOCK Tg(Cx3cr1-cre)MW126Gsat/Mmucd.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Mutant Mouse Resource and Research Center (MMRRC)

Usage and Citation Metrics

We found 31 mentions in open access literature.

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

Ramirez JJ, et al. (2026) Astrocyte-microglia crosstalk through Hevin and Toll-like receptor signaling controls developmental thalamocortical synapse refinement. *Neuron*, 114(8), 1433.

Lichtenstein HD, et al. (2026) A Common Iba1 Antibody Labels Vasopressin Neurons in Mice. *eNeuro*, 13(2).

Zhang L, et al. (2026) Mechanisms by which sevoflurane affects cognitive function in aged marmosets and mice: up-regulation of FKBP5 expression in brain microglia. *Medical gas research*, 16(1), 19.

Safaiyan S, et al. (2026) The Arp2/3 complex controls the development of homeostatic microglia. *EMBO reports*, 27(7), 1696.

Garvin MM, et al. (2025) Inhibition of the Microglial Phagocytic Receptor MerTK Underlies ELA-induced Changes in Synapses and Behavior in Male Mice. *bioRxiv : the preprint server for biology*.

Lenoel I, et al. (2025) ALS/FTD-linked TBK1 deficiency in microglia induces an aged-like microglial signature and drives social recognition deficits in mice. *Nature communications*, 16(1), 7951.

Zhou M, et al. (2025) Ngn2 and Isl1-mediated astrocyte-to-neuron conversion in vivo promotes functional recovery after spinal cord injury. *Cell reports. Medicine*, 6(12), 102462.

Lichtenstein HD, et al. (2025) A common Iba1 antibody labels vasopressin neurons in mice. *bioRxiv : the preprint server for biology*.

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

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

Heir R, et al. (2024) Astrocytes Are the Source of TNF Mediating Homeostatic Synaptic Plasticity. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 44(14).

Madalena KM, et al. (2022) Genetic deletion of the glucocorticoid receptor in Cx3cr1+ myeloid cells is neuroprotective and improves motor recovery after spinal cord injury. *Experimental neurology*, 355, 114114.

Kemp GM, et al. (2022) Sustained TNF signaling is required for the synaptic and anxiety-like behavioral response to acute stress. *Molecular psychiatry*, 27(11), 4474.

Saika F, et al. (2021) Chemogenetic Activation of CX3CR1-Expressing Spinal Microglia Using Gq-DREADD Elicits Mechanical Allodynia in Male Mice. *Cells*, 10(4).

Alam MM, et al. (2021) Deficiency of Microglial Autophagy Increases the Density of Oligodendrocytes and Susceptibility to Severe Forms of Seizures. *eNeuro*, 8(1).

Favuzzi E, et al. (2021) GABA-receptive microglia selectively sculpt developing inhibitory circuits. *Cell*, 184(15), 4048.

Chuang HC, et al. (2021) Lytic Cell Death in Specific Microglial Subsets Is Required for Preventing Atypical Behavior in Mice. *eNeuro*, 8(1).

Merlini M, et al. (2021) Microglial Gi-dependent dynamics regulate brain network hyperexcitability. *Nature neuroscience*, 24(1), 19.

Faas M, et al. (2021) IL-33-induced metabolic reprogramming controls the differentiation of alternatively activated macrophages and the resolution of inflammation. *Immunity*, 54(11), 2531.

Saika F, et al. (2020) Chemogenetic Regulation of CX3CR1-Expressing Microglia Using Gi-DREADD Exerts Sex-Dependent Anti-Allodynic Effects in Mouse Models of Neuropathic Pain. *Frontiers in pharmacology*, 11, 925.