Resource Summary Report

Generated by RRID on Aug 1, 2026

C57BL/6-Tmem119$^{em1(cre/ERT2)Gfng}$/J

RRID:IMSR_JAX:031820
Type: Organism

Proper Citation

RRID:IMSR_JAX:031820

Organism Information

URL: https://www.jax.org/strain/031820

Proper Citation: RRID:IMSR_JAX:031820

Description: Mus musculus with name C57BL/6-Tmem119$^{em1(cre/ERT2)Gfng}$/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: transmembrane protein 119; coisogenic strain|mutant strain: Tmem119

Affected Gene: transmembrane protein 119

Genomic Alteration: endonuclease-mediated mutation 1; Guoping Feng

Catalog Number: JAX:031820

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: C57BL/6-Tmem119$^{em1(cre/ERT2)Gfng}$/J

Record Creation Time: 20250513T053824+0000

Record Last Update: 20260801T050535+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6-Tmem119 em1(cre/ERT2)Gfng/J.

No alerts have been found for C57BL/6-Tmem119$^{em1(cre/ERT2)Gfng}$/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

Zeng F, et al. (2026) Microglia overexpressing brain-derived neurotrophic factor promote vascular repair and functional recovery in mice after spinal cord injury. Neural regeneration research, 21(1), 365.

Shea JM, et al. (2025) Microglia aging in the hippocampus advances through intermediate states that drive activation and cognitive decline. eLife, 13.

Ebert SN, et al. (2025) Single-Cell Approaches Define the Murine Leptomeninges: Cortical Brain Interface as a Distinct Cellular Neighborhood Composed of Neural and Non-neural Cell Types. eNeuro, 12(8).

Terao R, et al. (2024) LXR/CD38 activation drives cholesterol-induced macrophage senescence and neurodegeneration via NAD+ depletion. Cell reports, 43(5), 114102.

Bedolla AM, et al. (2024) A comparative evaluation of the strengths and potential caveats of the microglial inducible CreER mouse models. Cell reports, 43(1), 113660.

Megagiannis P, et al. (2024) Autism-associated CHD8 controls reactive gliosis and neuroinflammation via remodeling chromatin in astrocytes. Cell reports, 43(8), 114637.

Lan Y, et al. (2024) Fate mapping of Spp1 expression reveals age-dependent plasticity of disease-associated microglia-like cells after brain injury. Immunity, 57(2), 349.

Passino R, et al. (2024) Neutrophil-inflicted vasculature damage suppresses immune-mediated optic nerve regeneration. Cell reports, 43(3), 113931.

Wang L, et al. (2024) CCR2+ monocytes replenish border-associated macrophages in the diseased mouse brain. Cell reports, 43(4), 114120.

Faust TE, et al. (2023) A comparative analysis of microglial inducible Cre lines. bioRxiv : the preprint server for biology.

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.

Faust TE, et al. (2023) A comparative analysis of microglial inducible Cre lines. Cell reports, 42(9), 113031.

Hu X, et al. (2023) A TRPV4-dependent neuroimmune axis in the spinal cord promotes neuropathic pain. The Journal of clinical investigation, 133(5).

Reeson P, et al. (2023) Optical opening of the blood-brain barrier for targeted and ultra-sparse viral infection of cells in mouse cortex. Cell reports methods, 3(6), 100489.

Baaklini CS, et al. (2023) Microglia promote remyelination independent of their role in clearing myelin debris. Cell reports, 42(12), 113574.

Bedolla A, et al. (2023) Finding the right tool: a comprehensive evaluation of microglial inducible cre mouse models. bioRxiv : the preprint server for biology.

Yin Z, et al. (2023) APOE4 impairs the microglial response in Alzheimer's disease by inducing TGF??-mediated checkpoints. Nature immunology, 24(11), 1839.

Barko K, et al. (2022) Brain region- and sex-specific transcriptional profiles of microglia. Frontiers in psychiatry, 13, 945548.

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