

TMEM 119

Cat.No. 400 011; Monoclonal mouse antibody, 100 µg purified IgG (lyophilized)

Data Sheet

Reconstitution/ Storage	100 µg purified IgG, lyophilized. Azide was added before lyophilization. For reconstitution add 100 µl H ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	WB: not tested yet IP: not tested yet ICC: not tested yet IHC: 1 : 500 IHC-P/FFPE: 1 : 100 up to 1 : 200
Clone	195H4
Subtype	IgG1 (κ light chain)
Immunogen	Recombinant protein corresponding to AA 189 to 280 from mouse TMEM119 (UniProt Id: Q8R138)
Epitop	Epitop: AA 189 to 280 from mouse TMEM119 (UniProt Id: Q8R138)
Reactivity	Reacts with: mouse (Q8R138). No signal: rat (B2RYL3), human (Q4V9L6). Other species not tested yet.
Specificity	specific for TMEM119

Selected General References

New tools for studying microglia in the mouse and human CNS.
Bennett ML, Bennett FC, Liddel SA, Ajami B, Zamanian JL, Fernhoff NB, Mulinyawe SB, Bohlen CJ, Adil A, Tucker A, Weissman IL, et al.
Proceedings of the National Academy of Sciences of the United States of America (2016) 113(12): E1738-46.

TMEM119 marks a subset of microglia in the human brain.
Sato J, Kino Y, Asahina N, Takitani M, Miyoshi J, Ishida T, Saito Y
Neuropathology : official journal of the Japanese Society of Neuropathology (2016) 36(1): 39-49.

TO BE USED IN VITRO / FOR RESEARCH ONLY
NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

Microglia are resident myeloid cells of the central nervous system (CNS). They are ontogenetically and functionally distinct from monocyte-derived macrophages that infiltrate the CNS under pathological conditions. **Transmembrane protein 119 (TMEM 119)** is a single-pass type I membrane protein that has been identified as a useful, highly selective microglia marker protein.