

TMEM 119

Cat.No. 400 006; Polyclonal chicken antibody, 50 µg specific antibody (lyophilized)

Data Sheet

Reconstitution/ Storage	50 µg purified IgY, lyophilized. Ovalbumin was added for stabilization. For reconstitution add 50 µl H ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use. Before storing at -20°C add 1 vol of glycerol.
Applications	WB: not recommended IP: not tested yet ICC: not tested yet IHC: 1 : 500 up to 1 : 1000 (see remarks) IHC-P/FFPE: 1 : 500 up to 1 : 1000 (see remarks)
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). Other species not tested yet.
Specificity	specific for TMEM 119
Remarks	IHC: This antibody produces some unspecific background in the cerebellum. IHC-P: only fluorescent detection

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.