

For Research Use Only



CoraLite® Plus 647-conjugated TMEM119 Recombinant monoclonal antibody

Catalog Number: **CL647-83448-9**

Basic Information

Catalog Number: CL647-83448-9	GenBank Accession Number: NM_181724	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 338773	CloneNo.: 251557E2
Isotype: IgG	UNIPROT ID: Q4V9L6	Recommended Dilutions: IF-P: 1:50-1:500
Immunogen Catalog Number: EG1823	Full Name: transmembrane protein 119	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
	Calculated MW: 29 kDa	

Applications

Tested Applications: IF-P	Positive Controls: IF-P : mouse brain tissue,
Species Specificity: human, mouse	

Background Information

Transmembrane protein 119 (TMEM119), was characterized to be a specific microglia marker by Bennet et al. in 2016, although its function in microglia remains unknown. It is considered to be a marker expressed by microglia under homeostatic conditions based on transcriptomic findings. Under pathological conditions, the immune-specialized brain microenvironment contains both resident microglia and bone marrow-derived myeloid cells recruited from peripheral circulation. Recently, transmembrane protein 119 (TMEM119) has been reported as a marker for resident microglia which is not expressed by bone marrow-derived myeloid cells. (PMID: 35247551, PMID: 38308250, PMID: 40373772)

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

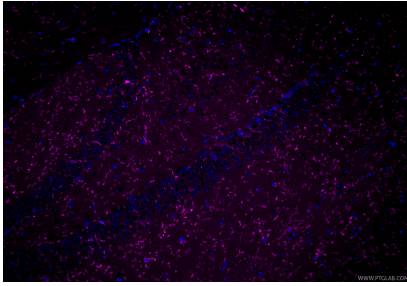
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using CoraLite® Plus 647 TMEM119 antibody (CL647-83448-9, Clone: 251557E2) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).