

For Research Use Only

Anti-Human TMEM119 Rabbit Recombinant Antibody

Catalog Number:98677-3-RR



Basic Information

Catalog Number:

98677-3-RR

Size:

100ug , 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG1823

GenBank Accession Number:

NM_181724

GeneID (NCBI):

338773

UNIPROT ID:

Q4V9L6

Full Name:

transmembrane protein 119

Calculated MW:

29kd

Purification Method:

Protein A purification

CloneNo.:

251557E2

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : SH-SY5Y cells, Transfected CHO-K1

Background Information

TMEM119 (Transmembrane Protein 119), also known as OBIF (Osteoblast Induction Factor), is a type I transmembrane protein that serves as a highly specific marker for resident microglia in the central nervous system (CNS). TMEM119 immunohistochemistry might provide a useful tool for investigating the biology and pathology of human microglia(PMID: 26250788).

Storage

Storage:

Store at 2 - 8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

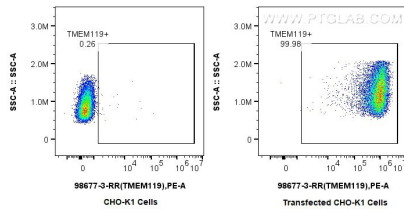
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

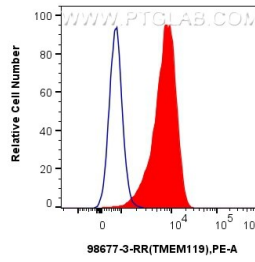
E: proteintech@ptglab.com
W: ptglab.com

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

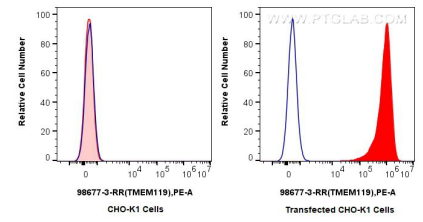
Selected Validation Data



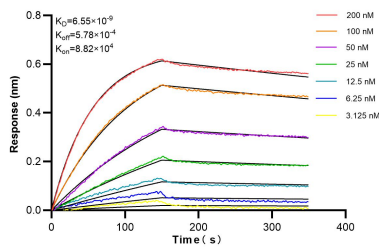
1x10⁶ CHO-K1(left) or TMEM119-transfected CHO-K1(right) were surface stained with 0.25 ug Anti-Human TMEM119 Rabbit RecAb (98677-3-RR, Clone:251557E2) and PE-conjugated Goat Anti-Rabbit IgG. Cells were not fixed.



1x10⁶ SH-SY5Y cells were stained with 0.25 ug Anti-Human TMEM119 Rabbit RecAb (98677-3-RR, Clone:251557E2) (red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone:240953C9) (blue) and PE-conjugated Goat Anti-Rabbit IgG. Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).



1x10⁶ CHO-K1(left) or TMEM119-transfected CHO-K1(right) were surface stained with 0.25 ug Anti-Human TMEM119 Rabbit RecAb (98677-3-RR, Clone:251557E2) (red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone:240953C9) (blue) and PE-conjugated Goat Anti-Rabbit IgG. Cells were not fixed.



Biolayer interferometry (BLI) kinetic assays of 98677-3-RR against Human TMEM119 were performed. The affinity constant is 6.55 nM.