

For Research Use Only

# TMEM119 Recombinant antibody, PBS Only (Capture/Detector)

Catalog Number: 83448-4-PBS



## Basic Information

<b>Catalog Number:</b> 83448-4-PBS	<b>GenBank Accession Number:</b> NM_181724.2	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 338773	<b>CloneNo.:</b> 240433C12
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q4V9L6	
<b>Isotype:</b> IgG	<b>Full Name:</b> transmembrane protein 119	
	<b>Calculated MW:</b> 29 kDa	

## Applications

**Tested Applications:**  
Cytometric bead array, Sandwich ELISA, Indirect ELISA, Sample test

**Species Specificity:**  
human

## Product Information

83448-4-PBS targets TMEM119 as part of a matched antibody pair:

MP00444-3: 83448-1-PBS capture and 83448-4-PBS detection (validated in Cytometric bead array)

MP00444-4: 83448-4-PBS capture and 83448-3-PBS detection (validated in Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

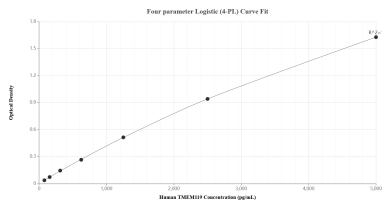
## Storage

**Storage:**  
Store at -80°C.  
**Storage Buffer:**  
PBS Only

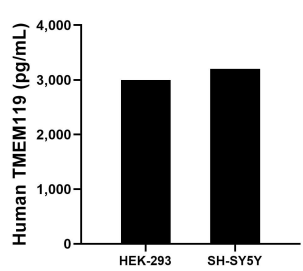
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

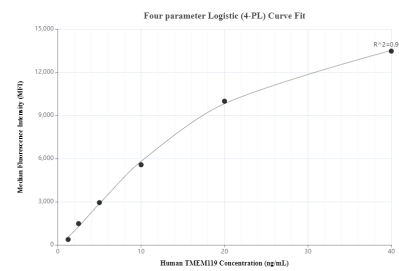
## Selected Validation Data



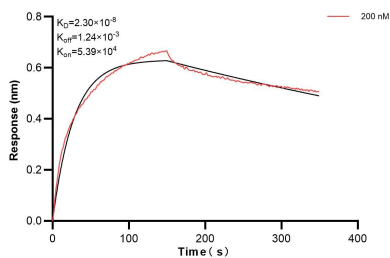
Sandwich ELISA standard curve of MP00444-4, Human TMEM119 Recombinant Matched Antibody Pair - PBS only. 83448-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0796. 83448-3-PBS was HRP conjugated as the detection antibody. Range: 78.1-5000 pg/mL.



The mean TMEM119 concentration was determined to be 2,998.4 pg/mL in HEK-293 cell extract based on a 1.5 mg/mL extract load and 3,201.6 pg/mL in SH-SY5Y cell extract based on a 1.2 mg/mL extract load.



Cytometric bead array standard curve of MP00444-3, TMEM119 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83448-1-PBS. Detection antibody: 83448-4-PBS. Standard: Eg0796. Range: 1.25-40 ng/mL.



Bi-layer interferometry (BLI) kinetic assay of 83448-4-PBS against Human TMEM119 was performed. The affinity constant is 23.0 nM.