

For Research Use Only

# TREM-1/CD354 Recombinant antibody, PBS Only (Detector)

Catalog Number: 84071-2-PBS



## Basic Information

<b>Catalog Number:</b> 84071-2-PBS	<b>GenBank Accession Number:</b> NM_018643.5	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 54210	<b>CloneNo.:</b> 241279B4
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9NP99-1	
<b>Isotype:</b> IgG	<b>Full Name:</b> triggering receptor expressed on myeloid cells 1	
	<b>Calculated MW:</b> 26kDa	

## Applications

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

**Species Specificity:**  
human

## Product Information

84071-2-PBS targets TREM-1/CD354 as part of a matched antibody pair:

MP00988-1: 84071-3-PBS capture and 84071-2-PBS detection (validated in Cytometric bead array, Sandwich ELISA)

MP00988-3: 84071-1-PBS capture and 84071-2-PBS detection (validated in Cytometric bead array)

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

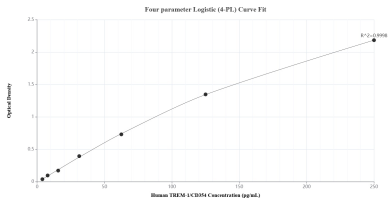
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only

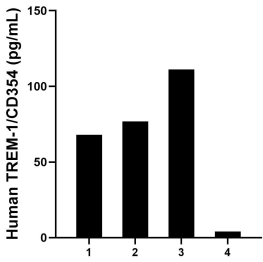
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

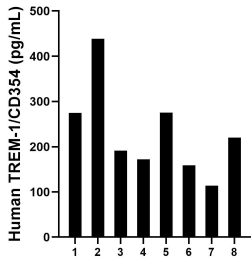
Selected Validation Data



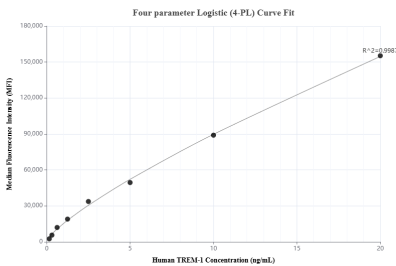
Sandwich ELISA standard curve of MP00988-1, Human TREM-1/CD354 Recombinant Matched Antibody Pair - PBS only. 84071-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg1438. 84071-2-PBS was HRP conjugated as the detection antibody. Range: 3.91-250 pg/mL



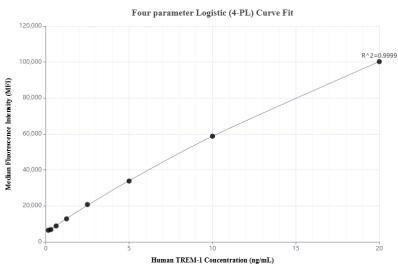
Saliva of four individual healthy human donors was measured. The TREM-1/CD354 concentration of detected samples was determined to be 65.0 pg/mL with a range of 4.0-111.2 pg/mL



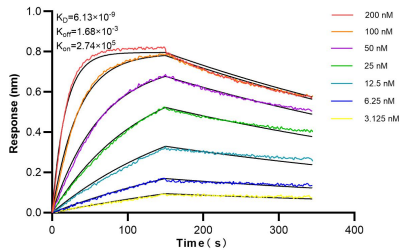
Serum of eight individual healthy human donors was measured. The TREM-1/CD354 concentration of detected samples was determined to be 230.6 pg/mL with a range of 113.8-438.7 pg/mL



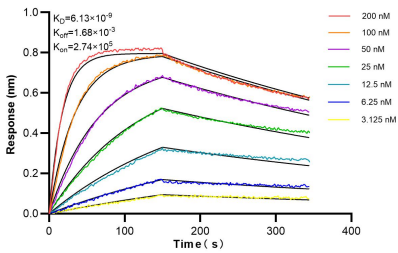
Cytometric bead array standard curve of MP00988-1, TREM-1/CD354 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84071-3-PBS. Detection antibody: 84071-2-PBS. Standard: Eg1438. Range: 0.156-20 ng/mL



Cytometric bead array standard curve of MP00988-3, TREM-1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84071-1-PBS. Detection antibody: 84071-2-PBS. Standard: Eg1438. Range: 0.156-20 ng/mL



Bilayer interferometry (BLI) kinetic assays of 84071-2-PBS against Human TREM-1/CD354 were performed. The affinity constant is 6.13 nM.



Bilayer interferometry (BLI) kinetic assays of 84071-2-RR against Human TREM-1/CD354 were performed. The affinity constant is 6.13 nM.