

For Research Use Only

TREM2 Recombinant antibody

Catalog Number: 83438-6-RR



Basic Information

Catalog Number: 83438-6-RR	GenBank Accession Number: BC032362	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 54209	CloneNo.: 240384B7
Source: Rabbit	UNIPROT ID: Q9NZC2	Recommended Dilutions: WB 1:2000-1:10000
Isotype: IgG	Full Name: triggering receptor expressed on myeloid cells 2	
	Calculated MW: 222 aa, 25 kDa	
	Observed MW: 26-32 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : PMA treated THP-1 cells, THP-1 cells
Species Specificity: human	

Background Information

TREM2 (triggering receptor expressed on myeloid cells 2) is a cell surface receptor belongs to TREM family that is expressed on osteoclast, dendritic cells, macrophages, nature killers, neutrophils and microglia (PMID: 19302484). TREM2 is localized predominantly in the Golgi complex, but also shuttles to and from the cell surface in endocytic and exocytic vesicles (PMID: 16675145). TREM2 associates with DAP12 to initiate the intracellular signalling cascade via an immunoreceptor tyrosine-based activation motif (ITAM) domain and tyrosine-kinases (PMID: 23977213).

Storage

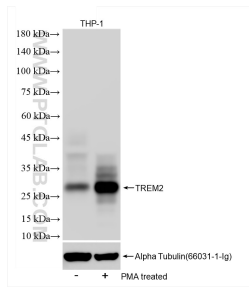
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

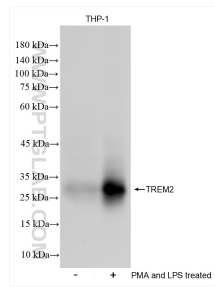
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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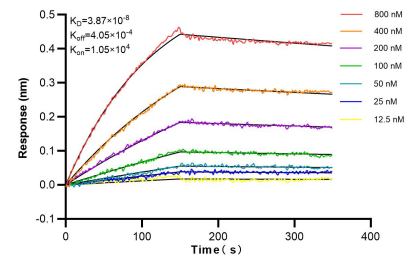
Selected Validation Data



PMA treated THP-1 cells were subjected to SDS PAGE followed by western blot with 83438-6-RR (TREM2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Non-treated and PMA treated THP-1 cells were subjected to SDS PAGE followed by western blot with 83438-6-RR (TREM2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biacore interferometry (BLI) kinetic assays of 83438-6-RR against Human TREM2 were performed. The affinity constant is 38.7 nM.