

For Research Use Only

TREM1 Polyclonal antibody

Catalog Number: 11791-1-AP **13 Publications**



Basic Information

Catalog Number: 11791-1-AP	GenBank Accession Number: BC017773	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 µg/ml by Nanodrop;	GeneID (NCBI): 54210	Recommended Dilutions: WB 1:200-1:1000 IHC 1:50-1:500 IF 1:10-1:100
Source: Rabbit	UNIPROT ID: Q9NP99	
Isotype: IgG	Full Name: triggering receptor expressed on myeloid cells 1	
Immunogen Catalog Number: AG2418	Calculated MW: 234 aa, 26 kDa	
	Observed MW: 30 kDa	

Applications

Tested Applications:
WB, IF, FC, IHC, ELISA

Cited Applications:
WB, IF, FC, IHC

Species Specificity:
human, mouse

Cited Species:
human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: human peripheral blood leukocyte, human liver tissue, human spleen tissue, mouse lung tissue

IHC: human tonsillitis tissue,

IF: HepG2 cells,

Background Information

Triggering receptor expressed on myeloid cells 1 (TREM1, also known as CD354) is a member of the immunoglobulin superfamily, which is expressed on neutrophils and monocytes. TREM1 plays a role in the innate immune system. TREM1 amplifies neutrophil and monocyte-mediated inflammatory responses triggered by bacterial and fungal infections by stimulating release of pro-inflammatory chemokines and cytokines, as well as increased surface expression of cell activation markers.

Notable Publications

Author	Pubmed ID	Journal	Application
Wen-Jing Zhong	33045564	Int Immunopharmacol	WB
Hui-Hui Yang	32308747	Theranostics	WB
Xin Zhang	36608749	Acta Trop	IF

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

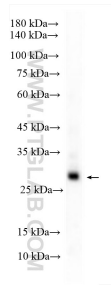
For technical support and original validation data for this product please contact:

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

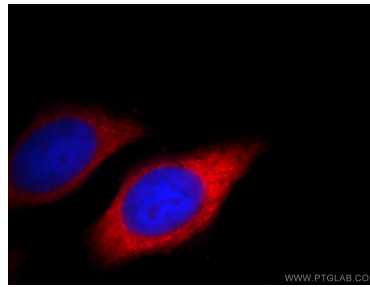
E: proteintech@ptglab.com
W: ptglab.com

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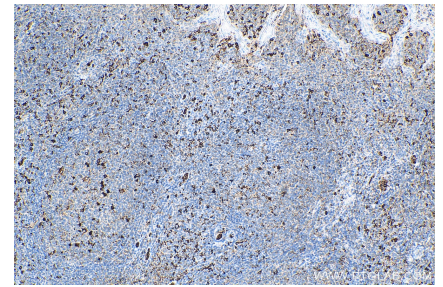
Selected Validation Data



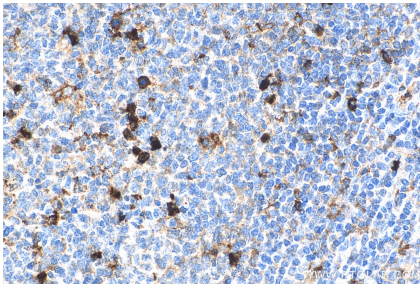
human peripheral blood leukocyte were subjected to SDS PAGE followed by western blot with 11791-1-AP (TREM1 antibody) at dilution of 1:450 incubated at room temperature for 1.5 hours.



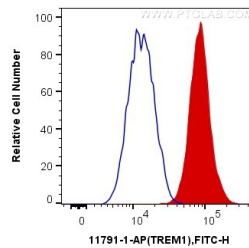
Immunofluorescent analysis of HepG2 cells, using TREM1 antibody 11791-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 11791-1-AP (TREM1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 11791-1-AP (TREM1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10⁶ THP-1 cells were intracellularly stained with 0.4 ug Anti-Human TREM1 (11791-1-AP) and CoraLite[®]488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).