

For Research Use Only

VSTM1 Polyclonal antibody

Catalog Number: 24382-1-AP



Basic Information

Catalog Number: 24382-1-AP	GenBank Accession Number: BC100942	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 284415	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	Full Name: V-set and transmembrane domain containing 1	
Isotype: IgG	Calculated MW: 236 aa, 26 kDa	
Immunogen Catalog Number: AG15799	Observed MW: 40 kDa	

Applications

Tested Applications:

FC, IHC, WB, ELISA

Species Specificity:

human

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, HL-60 cells

IHC : human tonsillitis tissue,

Background Information

VSTM1 (V-set and transmembrane domain-containing protein 1) has two main splicing isoform, VSTM1-v1 and VSTM1-v2. VSTM1-v1 is a type I membrane molecule, mainly expressed on human peripheral blood granulocytes and monocytes. VSTM1-v2 is a classical secretory glycoprotein mainly expressed in immune tissues, and can promote the differentiation and activation of Th17 cells. (PMID: 22960280; 23909423)

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

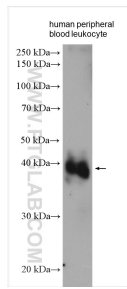
For technical support and original validation data for this product please contact:

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

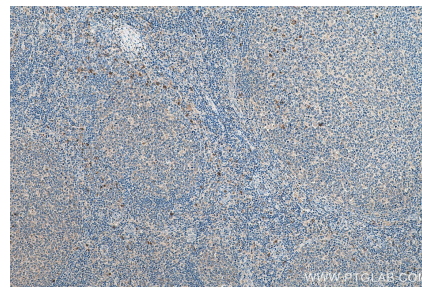
E: proteintech@ptglab.com
W: ptglab.com

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

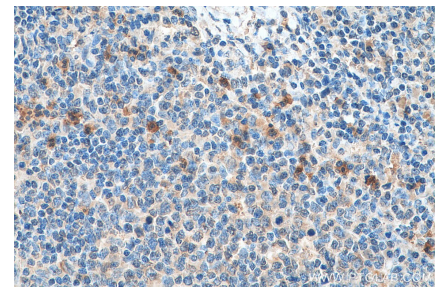
Selected Validation Data



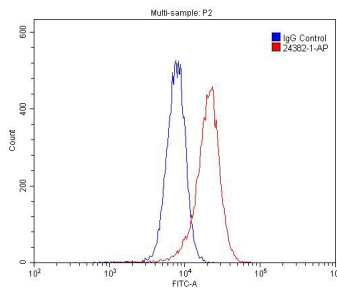
human peripheral blood leukocytes were subjected to SDS PAGE followed by western blot with 24382-1-AP (VSTM1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 24382-1-AP (VSTM1 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 24382-1-AP (VSTM1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10⁶ HL-60 cells were stained with 0.2ug VSTM1 antibody (24382-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.