

For Research Use Only

CD300c Polyclonal antibody

Catalog Number: 32141-1-AP



Basic Information

Catalog Number:

32141-1-AP

Size:

150ul , Concentration: 600 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC022279

GeneID (NCBI):

10871

UNIPROT ID:

Q08708

Full Name:

CD300c molecule

Calculated MW:

224 aa, 25 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

IHC 1:50-1:500

Applications

Tested Applications:

IHC, ELISA

Species Specificity:

human

Positive Controls:

IHC : human tonsillitis tissue,

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

Background Information

CD300c is a member of the CD300 family of receptors, which are type I transmembrane proteins expressed in both myeloid and lymphoid lineages and modulate immune responses by their stimulatory and inhibitory capabilities (PMID: 30485414). CD300c, also known as CLM-6, CMRF-35 and IgSF16, is composed of an IgV-like extracellular domain, a transmembrane domain and a short cytoplasmic tail. It is expressed on the surface of monocytes, macrophages, dendritic cells, neutrophils, some T and B lymphocytes (PMID: 1349532; 30498497). CD300c has been reported as an activating receptor expressed on monocytes and that it has a potential role in inflammatory responses (PMID: 23571507). It has also been identified as a T cell co-inhibitory molecule (PMID: 30498497).

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

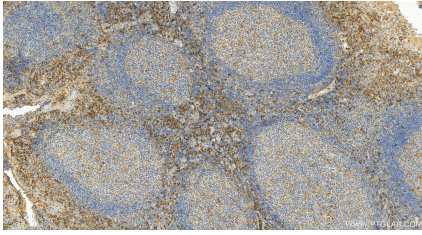
For technical support and original validation data for this product please contact:

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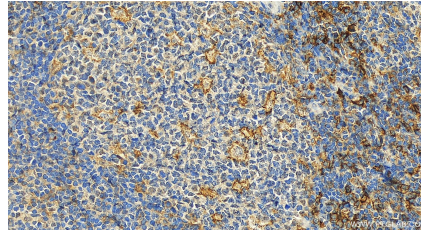
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 32141-1-AP (CD300C antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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