

For Research Use Only

CD200 Polyclonal antibody

Catalog Number: 14057-1-AP **3 Publications**



Basic Information

Catalog Number: 14057-1-AP	GenBank Accession Number: BC022522	Purification Method: Antigen affinity purification
Size: 400 µg/ml	GeneID (NCBI): 4345	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P41217	
Isotype: IgG	Full Name: CD200 molecule	
Immunogen Catalog Number: AG5045	Calculated MW: 269 aa, 30 kDa	
	Observed MW: 41-47 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : HEK-293 cells, IHC : human tonsillitis tissue,
Cited Applications: IF, IHC	
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	

Background Information

CD200, also known as OX2, is a type I transmembrane glycoprotein that belongs to the immunoglobulin superfamily (PMID: 3032785). It contains two extracellular immunoglobulin domains, a transmembrane and a cytoplasmic domain. CD200 is expressed on a variety of cell types, including thymocytes, B lymphocytes, a subset of T lymphocytes, follicular dendritic cells, neurons, and endothelial cells (PMID: 3032785; 10981966). CD200 binds to its receptor, CD200R, which is primarily expressed by myeloid and T cell lineage (PMID: 15187158). The CD200-CD200R interaction plays a role in immunosuppression and suppression of anti-tumor immune responses (PMID: 22020332).

Notable Publications

Author	Pubmed ID	Journal	Application
Bo-Feng Yin	35672836	Stem Cell Res Ther	IF
Yoshihiro Oaku	35631533	Pharmaceutics	IHC
Pei-Lin Li	38235309	Bioact Mater	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

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

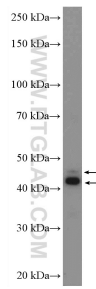
T: 4006900926

E: Proteintech-CN@ptglab.com

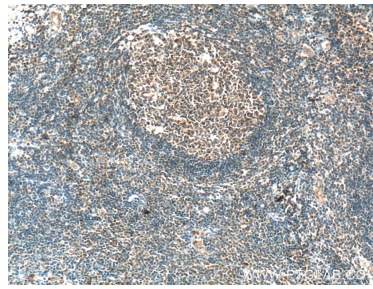
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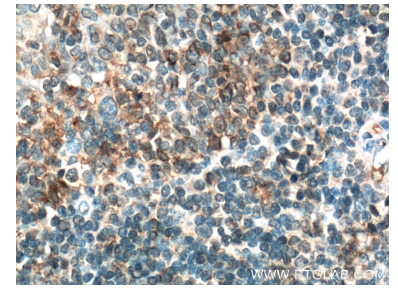
Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 14057-1-AP (CD200 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 14057-1-AP (CD200 Antibody) at dilution of 1:100 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 14057-1-AP (CD200 Antibody) at dilution of 1:100 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).