

For Research Use Only

CD200 Monoclonal antibody

Catalog Number: 66282-1-Ig

Featured Product

4 Publications



Basic Information

Catalog Number: 66282-1-Ig	GenBank Accession Number: BC022522	Purification Method: Protein A purification
Size: 150ul , Concentration: 1500 ug/ml by Nanodrop and 633 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4345	CloneNo.: 5F3D6
Source: Mouse	UNIPROT ID: P41217	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500
Isotype: IgG1	Full Name: CD200 molecule	
Immunogen Catalog Number: AG5045	Calculated MW: 269 aa, 30 kDa	
	Observed MW: 40-50 kDa	

Applications

Tested Applications:
WB, IHC, ELISA

Cited Applications:
WB, IF, IHC

Species Specificity:
human

Cited Species:
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 : fetal human brain tissue, human spleen tissue

IHC : human tonsillitis tissue,

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
Tyler MacNeil	34771664	Cancers (Basel)	IF
Masayuki Ishibashi	28429795	Sci Rep	WB,IHC
Katsuhiro Yoshimura	32395395	Oncoimmunology	WB,IHC,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

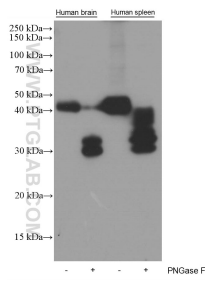
For technical support and original validation data for this product please contact:

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

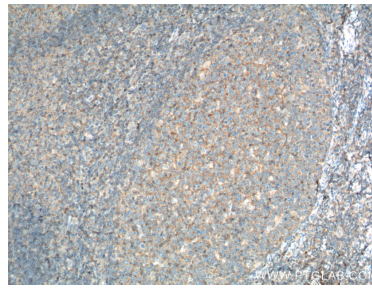
E: proteintech@ptglab.com
W: ptglab.com

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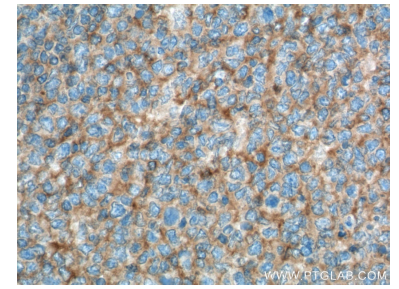
Selected Validation Data



Untreated and PNGase F-treated lysates of fetal human brain tissue and human spleen tissue were subjected to SDS PAGE followed by western blot with 66282-1-Ig (CD200 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. PNGase F was obtained from Atagenix (cat.NO. ata808).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66282-1-Ig (CD200 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 66282-1-Ig (CD200 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).