

For Research Use Only

# CD200 Monoclonal antibody, PBS Only



Catalog Number: 66282-1-PBS

Featured Product

## Basic Information

Catalog Number:

66282-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG5045

GenBank Accession Number:

BC022522

GeneID (NCBI):

4345

UNIPROT ID:

P41217

Full Name:

CD200 molecule

Calculated MW:

269 aa, 30 kDa

Observed MW:

40-50 kDa

Purification Method:

Protein A purification

CloneNo.:

5F3D6

## Applications

Tested Applications:

WB, Indirect ELISA, IHC, FC

Species Specificity:

human

## 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).

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

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

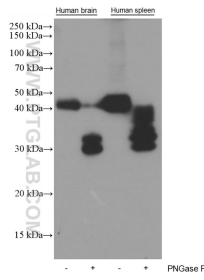
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

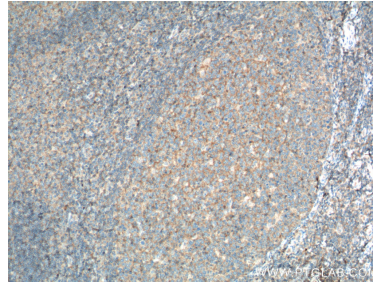
W: [ptgcn.com](http://ptgcn.com)

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

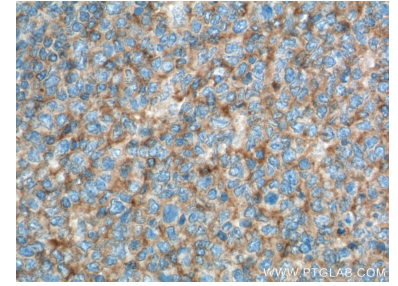
## Selected Validation Data



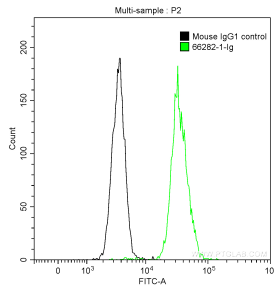
Untreated and PNGase F-treated lysates of fetal human brain tissue and human spleen tissue were subjected to SDS PAGE followed by western blot with 66282-1-Ig (CD200 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. PNGase F was obtained from Atagenix (cat.NO. ata808). This data was developed using the same antibody clone with 66282-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66282-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66282-1-PBS in a different storage buffer formulation.



1X10<sup>6</sup> U-937 cells were stained with 0.2 ug Anti-Human CD200 (66282-1-Ig, Clone: 5F3D6) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution of 1:1000 (green), or with 0.2 ug mouse IgG1 isotype control antibody and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution of 1:1000 (black). Cells were fixed with 90% MeOH. This data was developed using the same antibody clone with 66282-1-PBS in a

