

For Research Use Only

# CD200 Polyclonal antibody

Catalog Number: 14057-1-AP

3 Publications



## Basic Information

### Catalog Number:

14057-1-AP

### Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### 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:

41-47 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IHC 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

IHC, IF

### Species Specificity:

human

### Positive Controls:

WB : HEK-293 cells,

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

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

\*\*\* 20ul sizes contain 0.1% BSA

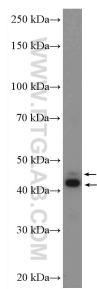
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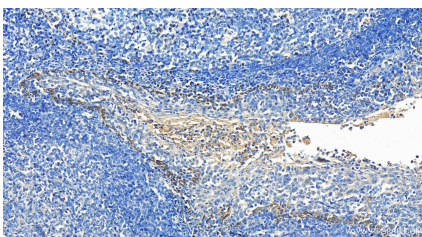
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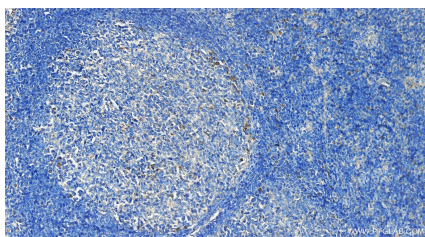
## Selected Validation Data



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 1:400 (under 20x 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 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).