

For Research Use Only

Mouse CD200 Recombinant antibody, PBS Only



Catalog Number: 83437-5-PBS

Basic Information

Catalog Number:

83437-5-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

GeneID (NCBI):

17470

UNIPROT ID:

O54901

Full Name:

CD200 antigen

Calculated MW:

31 kDa

Purification Method:

Protein A purification

CloneNo.:

240391A8

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

mouse

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

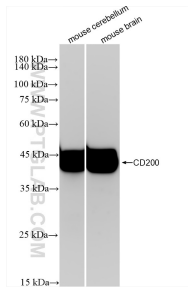
For technical support and original validation data for this product please contact:

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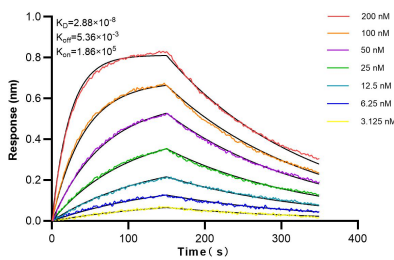
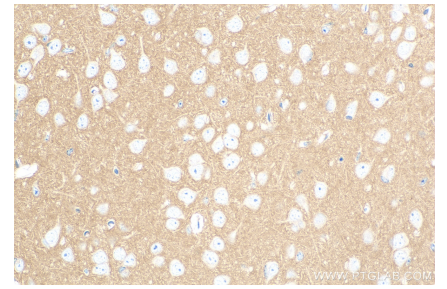
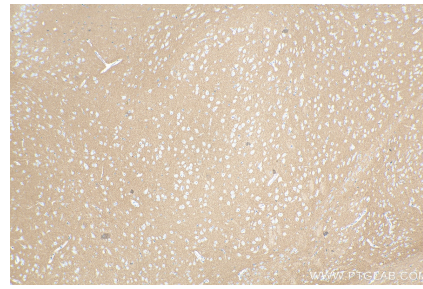
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83437-5-RR (CD200 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83437-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83437-5-RR against Mouse CD200 were performed. The affinity constant is 28.8 nM.