

For Research Use Only

CD200 Recombinant antibody, PBS Only

Catalog Number: 84244-2-PBS



Basic Information

Catalog Number: 84244-2-PBS	GenBank Accession Number: BC022522	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 4345	CloneNo.: 241346E6
Source: Rabbit	UNIPROT ID: P41217	
Isotype: IgG	Full Name: CD200 molecule	
	Calculated MW: 269 aa, 30 kDa	
	Observed MW: 45 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

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.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

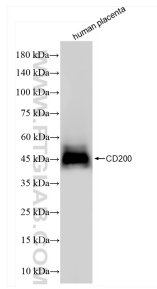
T: 4006900926

E: Proteintech-CN@ptglab.com

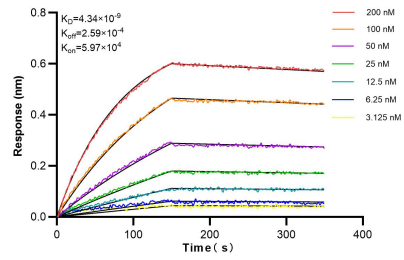
W: ptgcn.com

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Selected Validation Data



human placenta tissue was subjected to SDS PAGE followed by western blot with 84244-2-RR (CD200 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84244-2-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84244-2-RR against Human CD200 were performed. The affinity constant is 4.34 nM.