

For Research Use Only

# Anti-Human CD200 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98007-1-PBS



## Basic Information

Catalog Number:	98007-1-PBS	GenBank Accession Number:	BC022522	Purification Method:	Protein A purification
Size:	1mg , 2 mg/ml	GenID (NCBI):	4345	CloneNo.:	230268E6
Source:	Rabbit	UNIPROT ID:	P41217	Recommended Dilutions:	FC: 0.25 ug per 10 <sup>6</sup> cells in 100 µl suspension
Isotype:	IgG	Full Name:	CD200 molecule		
		Calculated MW:	269 aa, 30 kDa		

## Applications

Tested Applications:	Positive Controls:
FC	FC : human PBMCs,
Species Specificity:	

## 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).

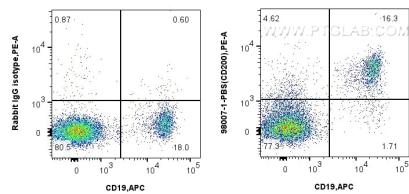
## Storage

**Storage:**  
Store at -80°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS only, pH7.3

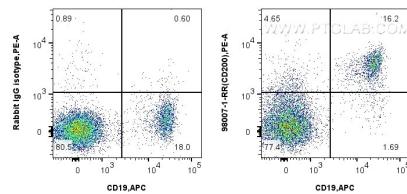
For technical support and original validation data for this product please contact:  
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free  
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W: ptglab.com

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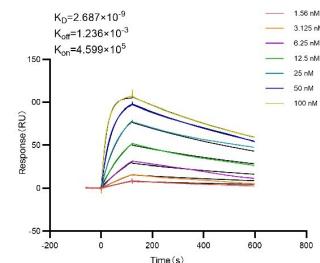
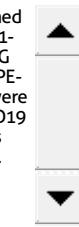
## Selected Validation Data



$1 \times 10^6$  human PBMCs were surface stained with 0.25 ug Anti-Human CD200 (98007-1-PBS, Clone:230268E6) or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) and PE-conjugated Goat Anti-Rabbit IgG. Cells were then co-stained with APC Anti-Human CD19 (HIB19) (APC-65110, Clone: HIB19). Cells were not fixed. Lymphocytes were gated.



$1 \times 10^6$  human PBMCs were surface stained with 0.25 ug Anti-Human CD200 (98007-1-RR, Clone:230268E6) or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) and PE-conjugated Goat Anti-Rabbit IgG. Cells were then co-stained with APC Anti-Human CD19 (HIB19) (APC-65110, Clone: HIB19). Cells were not fixed. Lymphocytes were gated. This data was developed using the same antibody clone with 98007-1-PBS in a different storage buffer formulation.



Surface Plasmon Resonance (SPR) kinetic assays of 98007-1-RR against Human CD200 were performed. The affinity constant is 2.687 nM.