

For Research Use Only

Anti-Human CD200 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98007-1-PBS



Basic Information

Catalog Number:

98007-1-PBS

Size:

1mg, 2 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC022522

GeneID (NCBI):

4345

UNIPROT ID:

P41217

Full Name:

CD200 molecule

Calculated MW:

269 aa, 30 kDa

Purification Method:

Protein A purification

CloneNo.:

230268E6

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in 100 µl suspension

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human PBMCs,

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

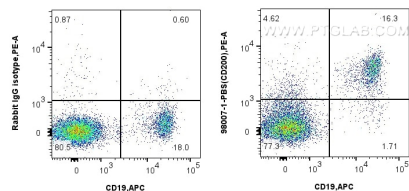
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

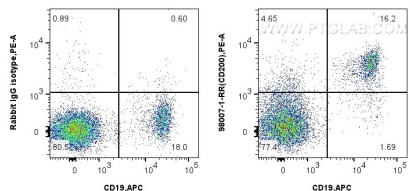
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W: ptglab.com

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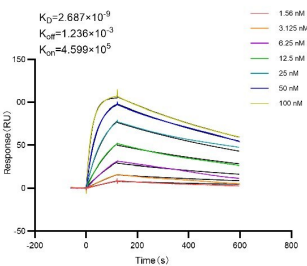
Selected Validation Data



1x10⁶ 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-O-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.



1x10⁶ 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-O-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.