

For Research Use Only



# Anti-Human CD200 Rabbit Recombinant Antibody

Catalog Number: 98007-2-RR

## Basic Information

Catalog Number:

98007-2-RR

Size:

100ug , 1 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.:

230268E11

## Applications

Tested Applications:

FC

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 2-8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide.

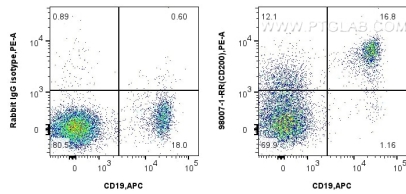
For technical support and original validation data for this product please contact:

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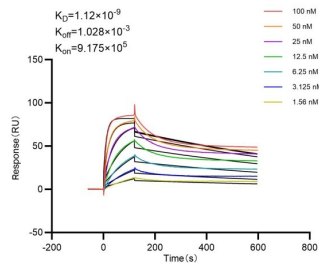
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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Anti-Human CD200 (98007-2-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 stained with APC Anti-Human CD19 (HIB19) (APC-65110, Clone: HIB19). Cells were not fixed. Lymphocytes were gated.



Surface Plasmon Resonance (SPR) kinetic assays of 98007-2-RR against Human CD200 were performed. The affinity constant is 1.12 nM.