

# Anti-Human CD200 Rabbit Recombinant Antibody

Catalog Number: 98007-1-RR

## Basic Information

**Catalog Number:**

98007-1-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.:**

230268E6

## 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

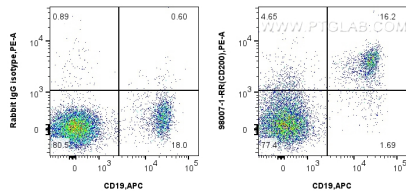
**Storage:**

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

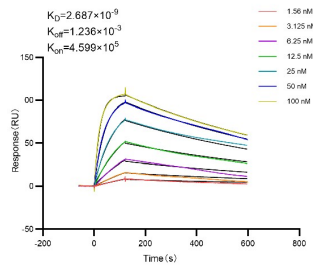
**Storage Buffer:**

PBS with 0.09% sodium azide.

## Selected Validation Data



1x10<sup>6</sup> 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.



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