

For Research Use Only

# FcZero-rAb™ Biotin Anti-Mouse CD200 Rabbit Recombinant Antibody

Catalog Number: Biotin-FcA98039



## Basic Information

<b>Catalog Number:</b> Biotin-FcA98039	<b>GenBank Accession Number:</b> /	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 100ug, 500 ug/ml	<b>GeneID (NCBI):</b> 17470	<b>CloneNo.:</b> 240391A6
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O54901	<b>Recommended Dilutions:</b> FC: 0.25 ug per 10 <sup>6</sup> cells in a 100 µl suspension
<b>Isotype:</b> IgG	<b>Full Name:</b> CD200 antigen	<b>Excitation/Emission maxima wavelengths:</b> -
<b>Immunogen Catalog Number:</b> EG0920	<b>Calculated MW:</b> 31 kDa	

## Applications

<b>Tested Applications:</b> FC, ELISA	<b>Positive Controls:</b> FC : mouse splenocytes,
<b>Species Specificity:</b> mouse	

## 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. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.09% sodium azide, pH7.3

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

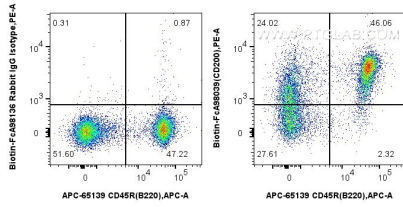
T: 4006900926

E: Proteintech-CN@ptglab.com

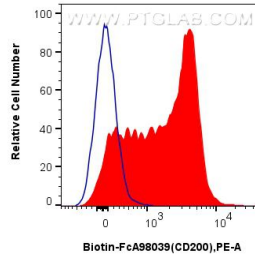
W: ptgcn.com

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## Selected Validation Data



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug Biotin Anti-Mouse CD200 Rabbit RecAb (Biotin-FcA98039, Clone: 240391A6) or 0.25 ug FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9), and PE Streptavidin (Cat.No. PF00021). Cells were co-stained with APC Anti-Mouse CD45R. Cells were not fixed.



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug Biotin Anti-Mouse CD200 Rabbit RecAb (Biotin-FcA98039, Clone: 240391A6) (red) or 0.25 ug FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue), and PE Streptavidin (Cat.No. PF00021). Cells were not fixed.