

For Research Use Only

# FcZero-rAb® Biotin Anti-Human CD72 Rabbit Recombinant Antibody

Catalog Number: Biotin-FcA98090



## Basic Information

**Catalog Number:**

Biotin-FcA98090

**Concentration:**

100ug, 500 ug/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

BC030227

**GeneID (NCBI):**

971

**UNIPROT ID:**

P21854

**Full Name:**

CD72 molecule

**Calculated MW:**

359 aa, 40 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

241300C1

**Recommended Dilutions:**

FC: 0.25 ug per 10<sup>6</sup> cells in a 100 µl suspension

**Excitation/Emission maxima wavelengths:**

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## Applications

**Tested Applications:**

FC

**Species Specificity:**

human

**Positive Controls:**

FC : human PBMCs,

## Background Information

CD72 is a type II transmembrane glycoprotein of 39-45 kDa and is expressed as a disulphide-linked homodimer (PMID: 1711157). CD72 is a pan B-cell marker covering the full range of differentiation from the very early stages of B cells to mature surface Ig+ B cells (PMID: 1384316). It is expressed in all stages of B cell development except plasma cells. CD72 is also expressed by dendritic cells, tissue macrophages in the red pulp of the spleen and von Kupffer cells in the liver (PMID: 8561576; 1384316). CD72 is the ligand for CD5 (PMID: 1711157). CD72 is a negative regulator of BCR signaling (PMID: 9590210). Interaction of CD100 with CD72 strictly tunes the strength of BCR signals and is essential for maintaining immunological homeostasis as well as generating a proper immune response (PMID: 16113236).

## 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:

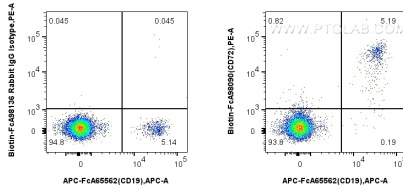
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

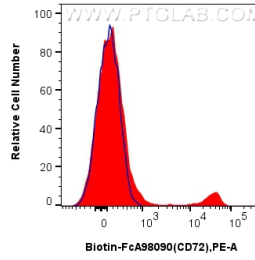
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD72 Rabbit RecAb (Biotin-FcA98090, Clone: 241300C1) or FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9), and Streptavidin-PE Conjugate (PE-PF00030). Cells were co-stained with FcZero-rAb™ APC Anti-Human CD19 (4G7) Rabbit IgG Recombinant Antibody (APC-FcA65562, Clone: 4G7). Cells were not fixed. Lymphocytes were gated.



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD72 Rabbit RecAb (Biotin-FcA98090, Clone: 241300C1) (red) or FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue), and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed. Lymphocytes were gated.