

For Research Use Only

# Anti-Human CD72 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98090-1-PBS



## Basic Information

<b>Catalog Number:</b> 98090-1-PBS	<b>GenBank Accession Number:</b> BC030227	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1mg, 2mg/ml	<b>GeneID (NCBI):</b> 971	<b>CloneNo.:</b> 241300C1
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P21854	
<b>Isotype:</b> IgG	<b>Full Name:</b> CD72 molecule	
	<b>Calculated MW:</b> 359 aa, 40 kDa	

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
human

## 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

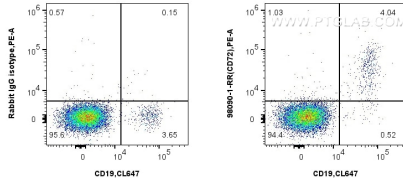
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

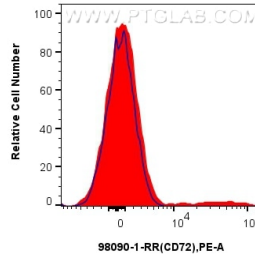
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

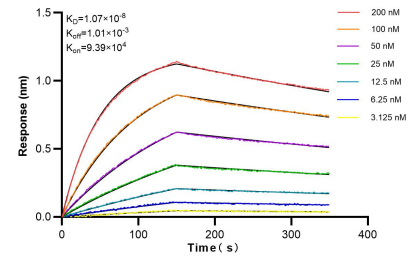
## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Anti-Human CD72 Rabbit Recombinant Antibody (98090-1-RR, Clone:241300C1), or Isotype Control and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). Cells were then stained with CoraLite® Plus 647 Anti-Human CD19. Cells were not fixed. Lymphocyte were gated. This data was developed using the same antibody clone with 98090-1-PBS in a different storage buffer formulation.



1x10<sup>6</sup> human PBMCs were stained with 0.25 ug Anti-Human CD72 Rabbit Recombinant Antibody (98090-1-RR, Clone:241300C1)(red), or Isotype Control(blue) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). Cells were not fixed. This data was developed using the same antibody clone with 98090-1-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 98090-1-RR against Human CD72 were performed. The affinity constant is 10.7 nM.