

For Research Use Only

# CD72 Recombinant antibody, PBS Only

Catalog Number: 84270-5-PBS



## Basic Information

<b>Catalog Number:</b> 84270-5-PBS	<b>GenBank Accession Number:</b> BC030227	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 971	<b>CloneNo.:</b> 241301B3
<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:**  
WB, Indirect ELISA

**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.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

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

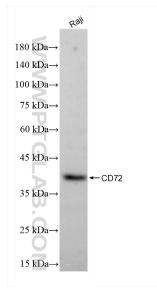
T: 4006900926

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

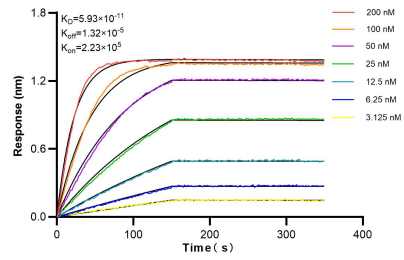
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Raji cells were subjected to SDS PAGE followed by western blot with 84270-5-RR (CD72 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84270-5-PB5 in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84270-5-RR against Human CD72 were performed. The affinity constant is 59.3 pM.