

For Research Use Only

# CD72 Recombinant monoclonal antibody

Catalog Number: 85208-5-RR



## Basic Information

Catalog Number:	85208-5-RR	GenBank Accession Number:	NM_007654.2	Purification Method:	Protein A purification
Source:	Rabbit	GenID (NCBI):	12517	CloneNo.:	242846B5
Isotype:	IgG	UNIPROT ID:	P21855	Recommended Dilutions:	WB: 1:1000-1:6000 IHC: 1:200-1:800
Immunogen Catalog Number:	EG2708	Full Name:	CD72 antigen		
		Calculated MW:	40 kDa		
		Observed MW:	40-45 kDa		

## Applications

Tested Applications:	Positive Controls:
WB, IHC, ELISA	WB: mouse spleen tissue, RAW 264.7 cells
Species Specificity:	IHC: mouse spleen tissue,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## 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

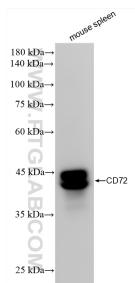
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

For technical support and original validation data for this product please contact:  
T: 4006900926      E: Proteintech-CN@ptglab.com

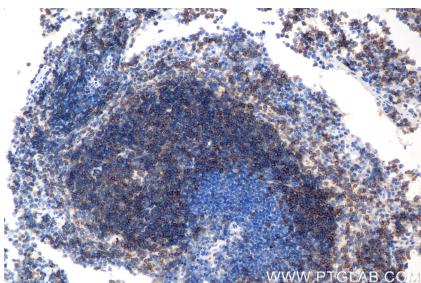
W: ptgcn.com

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## Selected Validation Data



mouse spleen tissue was subjected to SDS PAGE followed by western blot with 85208-5-RR (Cd72 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 85208-5-RR (CD72 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).