

# CD72 Recombinant monoclonal antibody

Catalog Number: 85208-5-RR

## Basic Information

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

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> mouse	<b>WB :</b> mouse spleen tissue, RAW 264.7 cells
	<b>IHC :</b> 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<sup>+</sup> 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

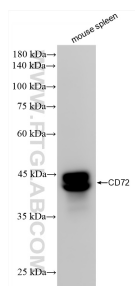
For technical support and original validation data for this product please contact:

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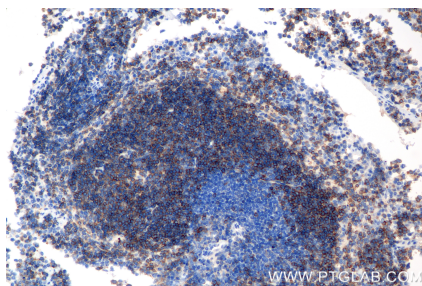
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## Selected Validation Data



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).