

For Research Use Only

Mouse CD72 Recombinant monoclonal antibody, PBS Only

Catalog Number: 85208-5-PBS



Basic Information

Catalog Number:	85208-5-PBS	GenBank Accession Number:	NM_007654.2	Purification Method:	Protein A purification
Size:	100ug, Concentration: 1 mg/ml by Nanodrop;	GenID (NCBI):	12517	CloneNo.:	242846B5
Source:	Rabbit	UNIPROT ID:	P21855		
Isotype:	IgG	Full Name:	CD72 antigen		
Immunogen Catalog Number:	EG2708	Calculated MW:	40 kDa		
		Observed MW:	40-45 kDa		

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

mouse

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.

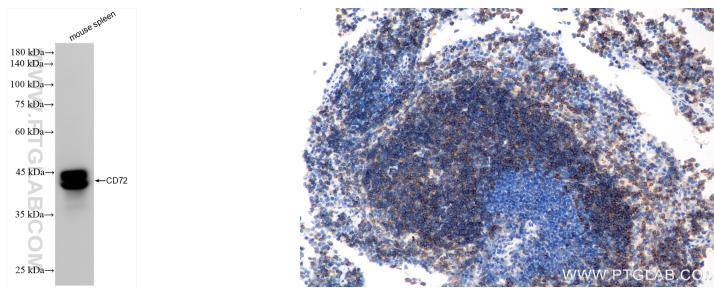
Storage Buffer:

PBS only, pH7.3

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



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. This data was developed using the same antibody clone with 85208-5-PBS in a different storage buffer formulation.

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). This data was developed using the same antibody clone with 85208-5-PBS in a different storage buffer formulation.