

For Research Use Only

Mouse CD72 Recombinant monoclonal antibody, PBS Only

Catalog Number: 85208-5-PBS



Basic Information

Catalog Number:

85208-5-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG2708

GenBank Accession Number:

NM_007654.2

GeneID (NCBI):

12517

UNIPROT ID:

P21855

Full Name:

CD72 antigen

Calculated MW:

40 kDa

Observed MW:

40-45 kDa

Purification Method:

Protein A purification

CloneNo.:

242846B5

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.

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

Storage Buffer:

PBS only, pH7.3

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

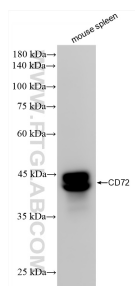
T: 4006900926

E: Proteintech-CN@ptglab.com

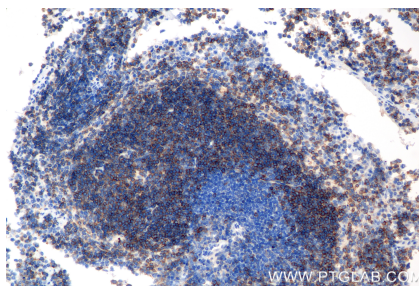
W: ptgcn.com

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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. 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.