

## CD72 Monoclonal antibody, PBS Only

Catalog Number: 67424-1-PBS

## Basic Information

## Catalog Number:

67424-1-PBS

## Size:

100ug , Concentration: 1 mg/ml by Nanodrop;

## Source:

Mouse

## Isotype:

IgG2b

## Immunogen Catalog Number:

AG14405

## GenBank Accession Number:

BC030227

## GeneID (NCBI):

971

## UNIPROT ID:

P21854

## Full Name:

CD72 molecule

## Calculated MW:

359 aa, 40 kDa

## Observed MW:

40 kDa

## Purification Method:

Protein A purification

## CloneNo.:

2C1C6

## Applications

## Tested Applications:

WB, IF, IHC, 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.

## Storage Buffer:

PBS Only

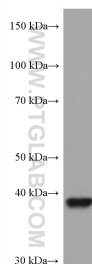
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

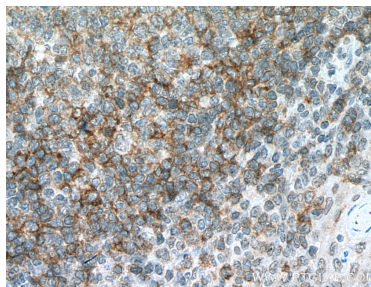
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

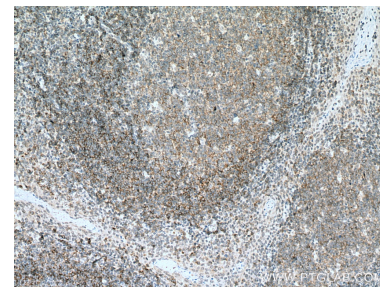
## Selected Validation Data



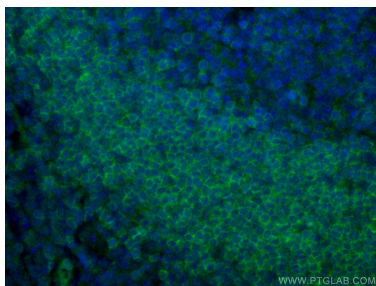
Daudi cells were subjected to SDS PAGE followed by western blot with 67424-1-Ig (CD72 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67424-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 67424-1-Ig (CD72 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67424-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 67424-1-Ig (CD72 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67424-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD72 antibody (67424-1-Ig, Clone: 2C1C6) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67424-1-PBS in a different storage buffer formulation.