

For Research Use Only

CoraLite®594-conjugated CD72 Monoclonal antibody

Catalog Number:CL594-67424



Basic Information

Catalog Number:

CL594-67424

GenBank Accession Number:

BC030227

Purification Method:

Protein A purification

Size:

100ul , Concentration: 1000 ug/ml by
Nanodrop;

GeneID (NCBI):

971

CloneNo.:

2C1C6

Source:

Mouse

UNIPROT ID:

P21854

Recommended Dilutions:

IF-P 1:50-1:500

Isotype:

IgG2b

Full Name:

CD72 molecule

Excitation/Emission maxima
wavelengths:

588 nm / 604 nm

Immunogen Catalog Number:

AG14405

Calculated MW:

359 aa, 40 kDa

Applications

Tested Applications:

IF-P

Positive Controls:

IF-P : human tonsillitis tissue,

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 -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

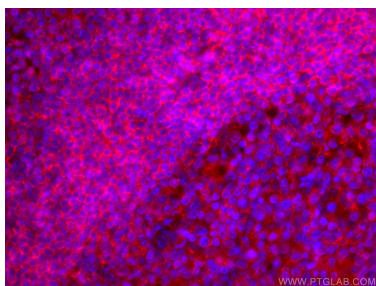
For technical support and original validation data for this product please contact:

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

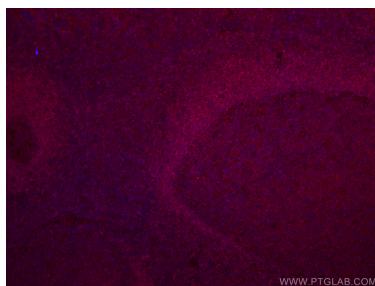
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CoraLite®594-conjugated CD72 antibody (CL594-67424, Clone: 2C1C6) at dilution of 1:100.



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