

For Research Use Only

CoraLite® Plus 488-conjugated CD72 Monoclonal antibody



Catalog Number: **CL488-67424**

Basic Information

Catalog Number: CL488-67424	GenBank Accession Number: BC030227	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 971	CloneNo.: 2C1C6
Source: Mouse	UNIPROT ID: P21854	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG2b	Full Name: CD72 molecule	
Immunogen Catalog Number: AG14405	Calculated MW: 359 aa, 40 kDa	

Applications

Tested Applications:
FC (Intra)

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:

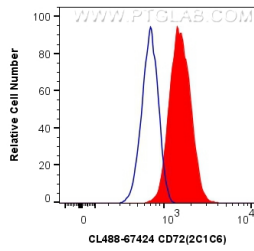
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ Ramos cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human CD72 (CL488-67424, Clone:2C1C6) (red), or 0.8 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).