

For Research Use Only

CoraLite® Plus 750 Anti-Human CD72 Rabbit Recombinant Antibody

Catalog Number:CL750-98090



Basic Information

Catalog Number: CL750-98090	GenBank Accession Number: BC030227	Purification Method: Protein A purification
Concentration: 100tests, 5 ul/test	GeneID (NCBI): 971	CloneNo.: 241300C1
Source: Rabbit	UNIPROT ID: P21854	Recommended Dilutions: FC: 5 ul per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: CD72 molecule	Excitation/Emission maxima wavelengths: 755 nm / 780 nm
	Calculated MW: 359 aa, 40 kDa	

Applications

Tested Applications: FC	Positive Controls: FC : human PBMCs,
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 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

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

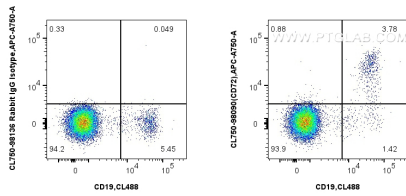
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ human PBMCs were surface stained with CoraLite® Plus 488 Anti-Human CD19, and 5 ul CoraLite® Plus 750 Anti-Human CD72 Rabbit RecAb (CL750-98090, Clone:241300C1) or CoraLite® Plus 750 Rabbit IgG Isotype Control Recombinant Antibody (CL750-98136, Clone: 240953C9). Cells were not fixed. Lymphocytes were gated.