

For Research Use Only

# CoraLite®700 Anti-Human CD72 Rabbit Recombinant Antibody

Catalog Number:CL700-98090



## Basic Information

Catalog Number:  
CL700-98090

Size:  
100tests , 5 ul/test

Source:  
Rabbit

Isotype:  
IgG

GenBank Accession Number:  
BC030227

GeneID (NCBI):  
971

UNIPROT ID:  
P21854

Full Name:  
CD72 molecule

Calculated MW:  
359 aa, 40 kDa

Purification Method:  
Protein A purification

CloneNo.:  
241300C1

Recommended Dilutions:  
FC: 5 ul per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:  
702 nm / 723 nm

## Applications

Tested Applications:  
FC

Species Specificity:  
human

Positive Controls:

FC : human PBMCs,

## 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

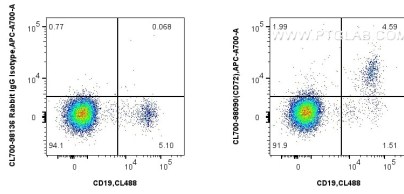
For technical support and original validation data for this product please contact:

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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with CoraLite® Plus 488 Anti-Human CD19, and 5 ul CoraLite® 700 Anti-Human CD72 Rabbit RecAb (CL700-98090, Clone:241300C1) or CoraLite® 700 Rabbit IgG Isotype Control Recombinant Antibody (CL700-98136, Clone: 240953C9). Cells were not fixed. Lymphocytes were gated.