

For Research Use Only

Anti-Mouse CD72 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98354-3-PBS



Basic Information

Catalog Number: 98354-3-PBS	GenBank Accession Number: NM_007654.2	Purification Method: Protein A purification
Concentration: 1mg, 2000 µg/ml	GeneID (NCBI): 12517	CloneNo.: 242846D10
Source: Rabbit	UNIPROT ID: P21855	
Isotype: IgG	Full Name: CD72 antigen	
	Calculated MW: 40 kDa	

Applications

Tested Applications:
FC

Species Specificity:
mouse

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.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

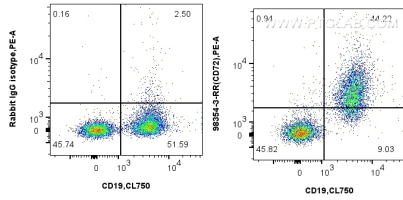
T: 4006900926

E: Proteintech-CN@ptglab.com

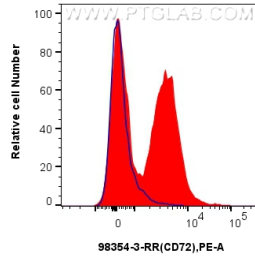
W: ptgcn.com

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Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CD72 Rabbit RecAb (98354-3-RR, Clone: 242846D10) or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9), and PE-conjugated Goat Anti-Rabbit IgG. Cells were then stained with CoraLite® Plus 750 Anti-Mouse CD19. Cells were not fixed. This data was developed using the same antibody clone with 98354-3-PBS in a different storage buffer formulation.



1x10⁶ mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CD72 Rabbit RecAb (98354-3-RR, Clone: 242846D10) (red) or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue), and PE-conjugated Goat Anti-Rabbit IgG. Cells were not fixed. This data was developed using the same antibody clone with 98354-3-PBS in a different storage buffer formulation.