

For Research Use Only

CD72 Recombinant antibody, PBS Only

Catalog Number: 84270-5-PBS



Basic Information

Catalog Number: 84270-5-PBS	GenBank Accession Number: BC030227	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 971	CloneNo.: 241301B3
Source: Rabbit	UNIPROT ID: P21854	
Isotype: IgG	Full Name: CD72 molecule	
	Calculated MW: 359 aa, 40 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

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

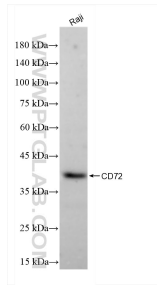
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

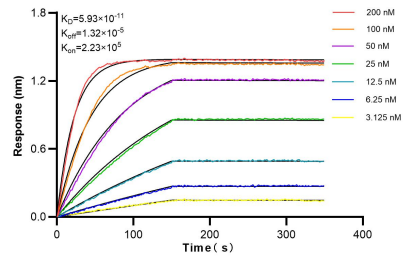
For technical support and original validation data for this product please contact:
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Selected Validation Data



Raji cells were subjected to SDS PAGE followed by western blot with 84270-5-RR (CD72 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84270-5-PB5 in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84270-5-RR against Human CD72 were performed. The affinity constant is 59.3 pM.