

For Research Use Only

CD72 Recombinant antibody

Catalog Number: 84270-5-RR



Basic Information

Catalog Number: 84270-5-RR	GenBank Accession Number: BC030227	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 971	CloneNo.: 241301B3
Source: Rabbit	UNIPROT ID: P21854	Recommended Dilutions: WB 1:1000-1:4000
Isotype: IgG	Full Name: CD72 molecule	
	Calculated MW: 359 aa, 40 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Raji cells,
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. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

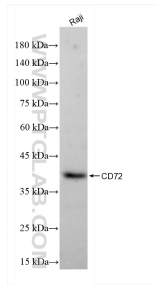
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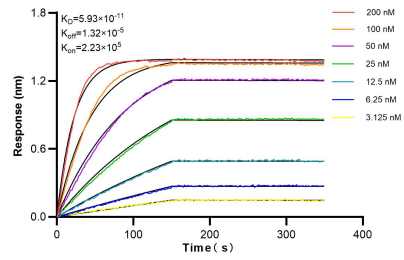
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Selected Validation Data



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.



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