

For Research Use Only

Mouse CD40 Recombinant antibody, PBS Only

Catalog Number:83972-5-PBS



Basic Information

Catalog Number: 83972-5-PBS	GenBank Accession Number: NM_011611.2	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 21939	CloneNo.: 240874B2
Source: Rabbit	UNIPROT ID: P27512-1	
Isotype: IgG	Full Name: CD40 antigen	
	Calculated MW: 32 kDa	
	Observed MW: 40-45 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
mouse

Background Information

CD40, also named as TNFRSF5 and Bp50, is a receptor for TNFSF5/CD40LG. It is a member of the TNFR superfamily and is responsible for the efficient activation of cell-mediated and humoral immune responses via activated T cells and B cells respectively. Defects in CD40 lead to hyper-IgM immunodeficiency syndrome type 3 (HIGM3) (PMID: 11675497). This is an autosomal recessive disorder that includes the inability of B cells to undergo isotype switching, a key step in the final differentiation of the humoral immune response, and an inability to mount an antibody-specific immune response.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

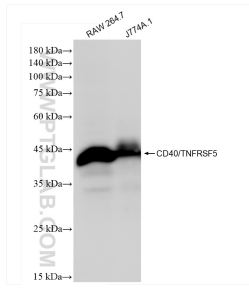
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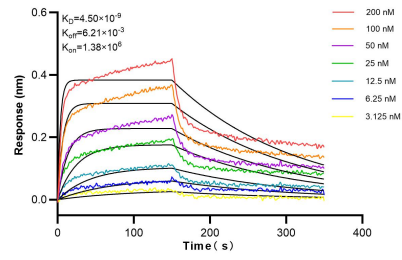
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W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83972-5-RR (CD40 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83972-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83972-5-RR against Mouse CD40 were performed. The affinity constant is 4.50 nM.