

For Research Use Only

Mouse CD40L/CD154 Recombinant antibody, PBS Only

Catalog Number: 83884-3-PBS



Basic Information

Catalog Number: 83884-3-PBS	GenBank Accession Number: NM_011616.2	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 21947	CloneNo.: 240743F5
Source: Rabbit	UNIPROT ID: P27548	
Isotype: IgG	Full Name: CD40 ligand	
Immunogen Catalog Number: EG0990	Calculated MW: 29 kDa	
	Observed MW: 32 kDa	

Applications

Tested Applications:
WB, ELISA

Species Specificity:
mouse

Background Information

The CD40 ligand (CD40L, TRAP, CD154), a member of the TNF superfamily of ligands, is expressed as either a 33 kDa transmembrane homologue or an 18 kDa soluble form (sCD154). CD40L is primarily expressed on activated CD4+ T cells and a small proportion of CD8+ T cells and platelets. It binds to CD40 on antigen-presenting cells (APC), which leads to many effects depending on the target cell type. Recent studies have suggested that CD40/CD40L interactions regulate oxidative stress and affect various signaling pathways in both the immunological and the cardiovascular systems. The CD40/CD40L system is also involved in tumorigenesis.

Storage

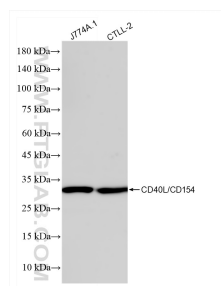
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

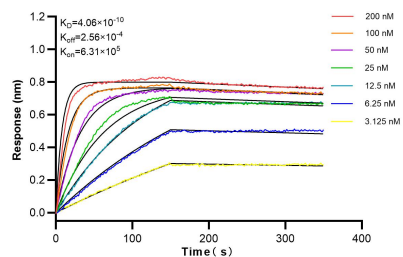
For technical support and original validation data for this product please contact:
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83884-3-RR (CD40L/CD154 antibody) at dilution of 1:9000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83884-3-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83884-3-RR against Mouse CD40L/CD154 were performed. The affinity constant is 0.406 nM.