

For Research Use Only

CD40L/CD154 Recombinant antibody

Catalog Number: 83884-3-RR



Basic Information

Catalog Number:

83884-3-RR

Concentration:

900 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0990

GenBank Accession Number:

NM_011616.2

GeneID (NCBI):

21947

UNIPROT ID:

P27548

Full Name:

CD40 ligand

Calculated MW:

29 kDa

Observed MW:

32 kDa

Purification Method:

Protein A purification

CloneNo.:

240743F5

Recommended Dilutions:

WB 1:2000-1:18000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

mouse

Positive Controls:

WB : J774A.1 cells, CTLL-2 cells

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 -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

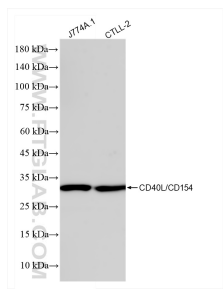
T: 4006900926

E: Proteintech-CN@ptglab.com

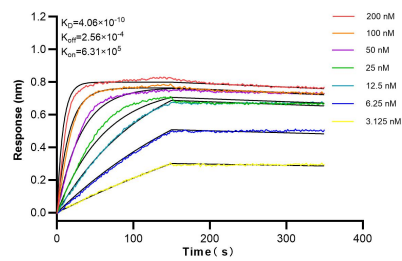
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Selected Validation Data



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.



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