

For Research Use Only

# CD40L/CD154 Recombinant antibody

Catalog Number: 83884-3-RR



## Basic Information

**Catalog Number:**

83884-3-RR

**Size:**

100ul , Concentration: 900 ug/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**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, IHC, IF-P, 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

\*\*\* 20ul sizes contain 0.1% BSA

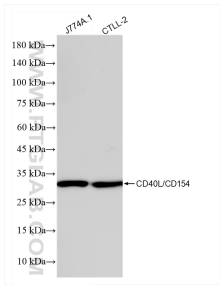
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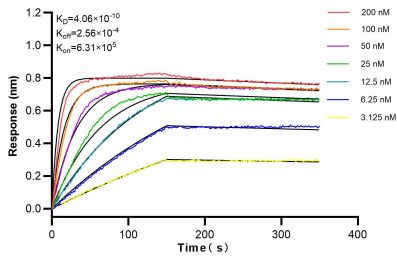
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Selected Validation Data



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.