

For Research Use Only

# Anti-Human CD40L/CD154 Rabbit scFv Antibody

Catalog Number: SF98355-2-RR



## Basic Information

Catalog Number:

SF98355-2-RR

Source:

Rabbit

Type:

scFv

Immunogen Catalog Number:

EG3501

GenBank Accession Number:

BC071754

GeneID (NCBI):

959

UNIPROT ID:

P29965

Full Name:

CD40 ligand

Calculated MW:

261 aa, 29 kDa

Purification Method:

Affinity purification

CloneNo.:

242847F7

Recommended Dilutions:

FC: 0.25 ug per  $10^6$  cells in a 100  $\mu$ l suspension

## Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : PMA and ionomycin treated human PBMCs,

## 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 18 kDa soluble form (sCD154). CD40L is primarily expressed on activated CD4+ T cells and on 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 2-8°C. Stable for one year after shipment.

Storage Buffer:

50mM HEPES, 150mM NaCl, 5mM EDTA, 0.1% CHAPS, 10% Sucrose and 0.1% Proclin 300, pH7.3

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

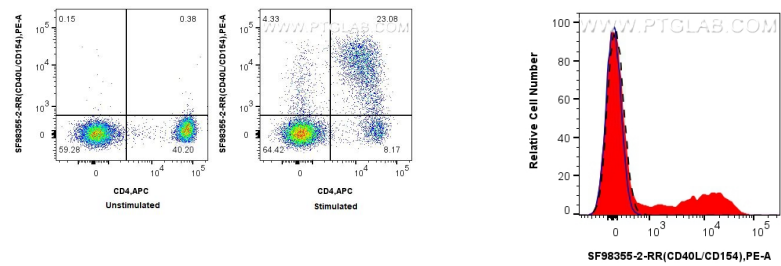
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10<sup>6</sup> untreated or PMA and ionomycin treated human PBMCs were surface stained with 0.25 ug Anti-Human CD40L/CD154 Rabbit scFv Antibody (SF98355-2-RR, Clone: 242847F7) and PE Anti-6<sup>His</sup>, His-Tag Rabbit RecAb (PE-FcA98450, Clone: 251107A1). Cells were then stained with APC Anti-Human CD4. Cells were incubated with FC Receptor Block before staining. Cells were not fixed.

1x10<sup>6</sup> PMA and ionomycin treated human PBMCs were surface stained with 0.25 ug Anti-Human CD40L/CD154 Rabbit scFv Antibody (SF98355-2-RR, Clone: 242847F7)(red), or 0.25 ug Rabbit scFv Isotype Control Antibody (SF98136-1-RR, Clone: 240953C9)(blue) and PE Anti-6<sup>His</sup>, His-Tag Rabbit RecAb (PE-FcA98450, Clone: 251107A1). 1x10<sup>6</sup> untreated human PBMCs were surface stained with 0.25 ug Anti-Human CD40L/CD154 Rabbit scFv Antibody (SF98355-2-RR, Clone: