

For Research Use Only

Anti-Human CD40L/CD154 Rabbit scFv Antibody

Catalog Number: SF98355-2-RR



Basic Information

Catalog Number:

SF98355-2-RR

GenBank Accession Number:

BC071754

Purification Method:

Affinity purification

Size:

100ug, Concentration: 1000 ug/ml by 959

GeneID (NCBI):

959

CloneNo.:

242847F7

Nanodrop;

UNIPROT ID:

P29965

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in a 100 µl suspension

Source:

Rabbit

Full Name:

CD40 ligand

Type:

scFv

Calculated MW:

261 aa, 29 kDa

Immunogen Catalog Number:

EG3501

Applications

Tested Applications:

FC

Positive Controls:

FC : PMA and ionomycin treated human PBMCs,

Species Specificity:

human

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

*** 20ul sizes contain 0.1% BSA

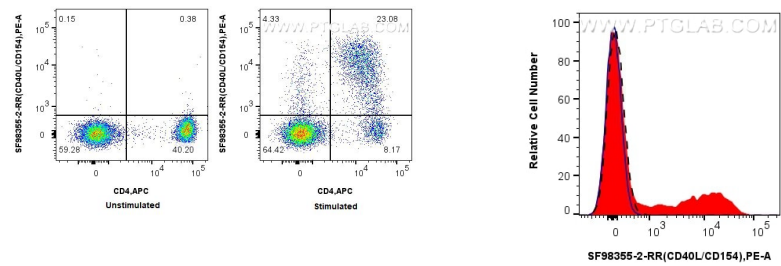
For technical support and original validation data for this product please contact:

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Selected Validation Data



1x10⁶ 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-6thHis, 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.

1x10⁶ 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-6thHis, His-Tag Rabbit RecAb (PE-FcA98450, Clone: 251107A1). 1x10⁶ untreated human PBMCs were surface stained with 0.25 ug Anti-Human CD40L/CD154 Rabbit scFv Antibody

