

For Research Use Only

CoraLite® Plus 647 Anti-Human CD40L/CD154 Rabbit scFv Antibody

Catalog Number: CL647-SF98355-2



Basic Information

Catalog Number:
CL647-SF98355-2

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 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:
654 nm / 674 nm

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% Proclin300, pH7.3

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

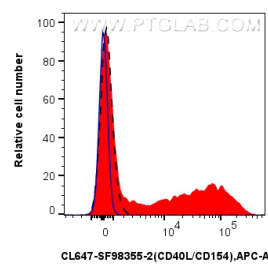
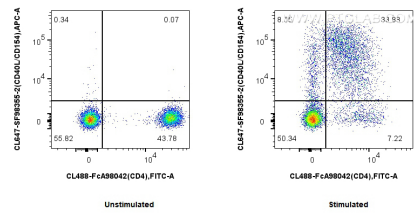
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ untreated or PMA and ionomycin treated human PBMCs were surface stained with FcZero-rAb® Coralite® Plus 488 Anti-Human CD4 and 0.25 ug Coralite® Plus 647 CD40L/CD154 Recombinant Antibody (CL647-SF98355-2, Clone: 242847F7). Cells were not fixed.

1x10⁶ PMA and ionomycin treated human PBMCs were surface stained with 0.25 ug Coralite® Plus 647 CD40L/CD154 Recombinant Antibody (CL647-SF98355-2, Clone: 242847F7) (red) or 0.25 ug Coralite® Plus 647 Rabbit scFv Isotype Control (CL647-SF98136, Clone: 240953C9) (blue). 1x10⁶ untreated human PBMCs were surface stained with 0.25 ug Coralite® Plus 647 CD40L/CD154 Recombinant Antibody (CL647-SF98355-2, Clone: 242847F7) (black,

