

For Research Use Only

# FcZero-rAb® CoraLite® Plus 647 Anti-Human CD40L/CD154 Rabbit Recombinant Antibody

Catalog Number: CL647-FcA98355-2



## Basic Information

Catalog Number:

CL647-FcA98355-2

Concentration:

100 tests, 5 µl/test

Source:

Rabbit

Isotype:

IgG

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:

Protein A purification

CloneNo.:

242847F7

Recommended Dilutions:

FC: 5 µl per 10<sup>6</sup> 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<sup>+</sup> T cells and on a small proportion of CD8<sup>+</sup> 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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

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

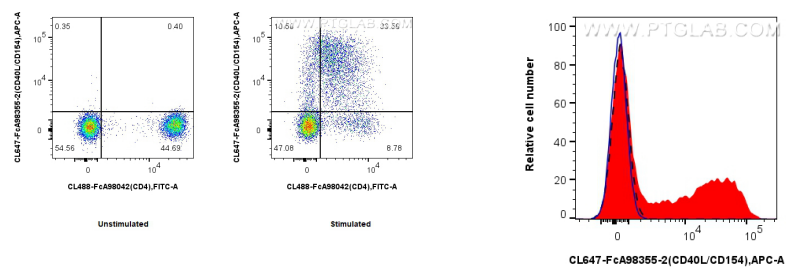
T: 4006900926

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

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

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Selected Validation Data



1x10<sup>6</sup> untreated or PMA and ionomycin treated human PBMCs were surface stained with FcZero-rAb® CoraLite® Plus 488 Anti-Human CD4 and 5 ul CoraLite® Plus 647 Anti-Human CD40L/CD154 Rabbit RecAb (CL647-FcA98355-2, Clone: 242847F7). Cells were not fixed.

1x10<sup>6</sup> PMA and ionomycin treated human PBMCs were surface stained with 5 ul CoraLite® Plus 647 Anti-Human CD40L/CD154 Rabbit RecAb (CL647-FcA98355-2, Clone: 242847F7) (red) or FcZero-rAb® CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-FcA98136, Clone: 240953C9) (blue). 1x10<sup>6</sup> untreated human PBMCs were surface stained with 5 ul CoraLite® Plus 647 Anti-Human CD40L/CD154 Rabbit RecAb

