

For Research Use Only

# Anti-Human CD40L/CD154 Rabbit Recombinant Antibody

Catalog Number: 98355-2-RR



## Basic Information

Catalog Number:

98355-2-RR

Size:

100ug, 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

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

## Applications

Tested Applications:

FC

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:

PBS with 0.09% sodium azide, pH 7.3.

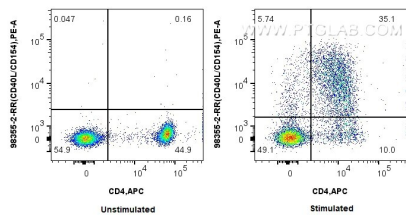
For technical support and original validation data for this product please contact:

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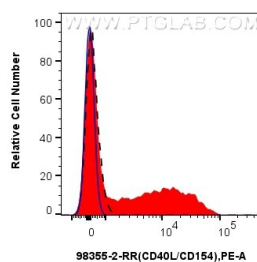
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## Selected Validation Data



1x10<sup>6</sup> untreated or PMA and ionomycin-treated human PBMCs were surface stained with 0.25 ug Anti-Human CD40L/CD154 Rabbit RecAb (98355-2-RR, Clone: 242847F7) and PE-conjugated Goat Anti-Rabbit IgG. Cells were co-stained with APC Anti-Human CD4. Cells were not fixed. Lymphocytes were gated.



1x10<sup>6</sup> PMA and ionomycin treated human PBMCs were surface stained with 0.25 ug Anti-Human CD40L/CD154 Rabbit RecAb (98355-2-RR, Clone:242847F7) (red) or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue) and PE-conjugated Goat Anti-Rabbit IgG. Untreated human PBMCs were surface stained with 0.25 ug Anti-Human CD40L/CD154 Rabbit RecAb (98355-2-RR, Clone: 242847F7) and PE-conjugated Goat Anti-Rabbit IgG (black,

