

For Research Use Only

Anti-Human CD40L/CD154 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98355-2-PBS



Basic Information

Catalog Number:

98355-2-PBS

Concentration:

1mg, 2000 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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

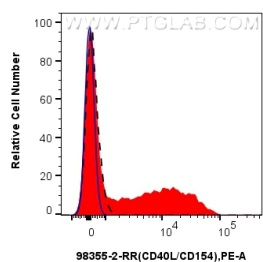
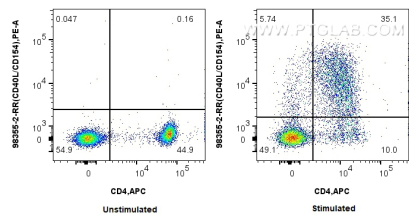
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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 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. This data was developed using the same antibody clone with 98355-2-PBS in a different storage buffer formulation.

1x10⁶ 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, dashed). Cells were