

For Research Use Only

FcZero-rAb® Biotin Anti-Human CD40L/CD154 Rabbit Recombinant Antibody

Catalog Number: Biotin-FcA98355-2



Basic Information

Catalog Number: Biotin-FcA98355-2	GenBank Accession Number: BC071754	Purification Method: Protein A purification
Concentration: 100ug, 500 ug/ml	GeneID (NCBI): 959	CloneNo.: 242847F7
Source: Rabbit	UNIPROT ID: P29965	Recommended Dilutions: FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: CD40 ligand	Excitation/Emission maxima wavelengths: -
Immunogen Catalog Number: EG3501	Calculated MW: 261 aa, 29 kDa	

Applications

Tested Applications: FC, ELISA	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. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

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

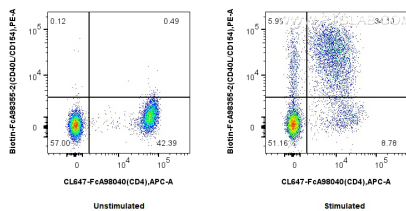
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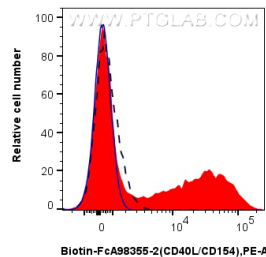
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Selected Validation Data



1x10⁶ PMA and ionomycin treated or untreated human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD40L/CD154 Rabbit RecAb (Biotin-FcA98355-2, Clone: 242847F7) and Streptavidin-PE Conjugate (PE-PF00030). Cells were co-stained with 0.25 ug FcZero-rAb® CoraLite® Plus 647 Anti-Human CD14 Rabbit Recombinant Antibody (CL647-FcA98040, Clone: 230332D7). Cells were not fixed.



1x10⁶ PMA and ionomycin treated human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD40L/CD154 Rabbit RecAb (Biotin-FcA98355-2, Clone: 242847F7) (red) or 0.25 ug FcZero-rAb® Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue), and Streptavidin-PE Conjugate (PE-PF00030). 1x10⁶ untreated human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD40L/CD154 Rabbit RecAb

