

For Research Use Only

CoraLite® Plus 488 Anti-Human CD40L/CD154 Rabbit scFv Antibody

Catalog Number: CL488-SF98355-2



Basic Information

Catalog Number: CL488-SF98355-2	GenBank Accession Number: BC071754	Purification Method: Affinity purification
Size: 100ug , Concentration: 500 ug/ml by Nanodrop;	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
Type: scFv	Full Name: CD40 ligand	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: EG3501	Calculated MW: 261 aa, 29 kDa	

Applications

Tested Applications: FC	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

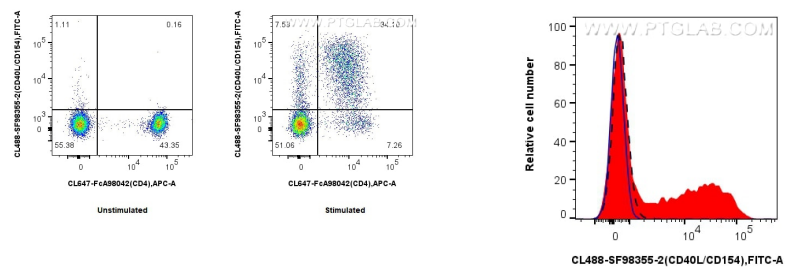
Storage:
Store at 2-8°C. Stable for one year after shipment.
Storage Buffer:
50mM HEPES, 150mM NaCl, 5mM EDTA, 0.1% CHAPS, 10% Sucrose and 0.1% Proclin300, pH7.3

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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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 647 Anti-Human CD4 and 0.25 ug Coralite® Plus 488 CD40L/CD154 Recombinant Antibody (CL488-SF98355-2, Clone: 242847F7). Cells were not fixed.

1x10⁶ PMA and ionomycin treated human PBMCs were surface stained with 0.25 ug Coralite® Plus 488 CD40L/CD154 Recombinant Antibody (CL488-SF98355-2, Clone: 242847F7) (red) or 0.25 ug Coralite® Plus 488 Rabbit scFv Isotype Control (CL488-SF98136, Clone: 240953C9) (blue). 1x10⁶ untreated human PBMCs were surface stained with 0.25 ug Coralite® Plus 488 CD40L/CD154 Recombinant Antibody (CL488-SF98355-2, Clone: 242847F7) (black,

