

For Research Use Only

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

Catalog Number: 98120-1-PBS



Basic Information

Catalog Number: 98120-1-PBS	GenBank Accession Number: NM_011616.2	Purification Method: Protein A purification
Size: 1mg, 2 mg/ml	GeneID (NCBI): 21947	CloneNo.: 240743E6
Source: Rabbit	UNIPROT ID: P27548	
Isotype: IgG	Full Name: CD40 ligand	
	Calculated MW: 29 kDa	

Applications

Tested Applications:
FC

Species Specificity:
mouse

Background Information

The CD40 ligand (CD40L, TRAP, CD154), a member of the TNF superfamily of ligands, is expressed as either a 33-kd transmembrane homologue or 18-kd 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. It has been 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. Its expression is tightly regulated, and abnormal levels of CD40L are associated with the pathogenesis of atheromatous plaque destabilization and thrombotic events. Multiple mutations in CD40LG gene have been identified that are associated with hyper-IgM immunodeficiency syndrome type 1.

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:

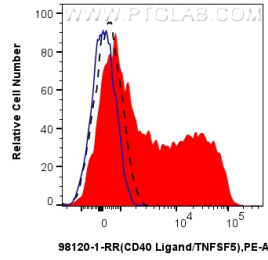
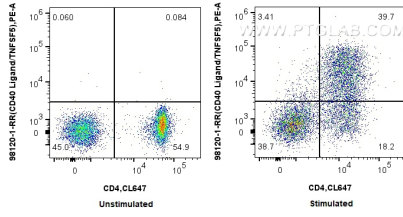
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ untreated or PMA and ionomycin treated mouse CD3⁺ T cells were surface stained with 0.25 ug Anti-Mouse CD40L/CD154 Rabbit Recombinant Antibody (98120-1-RR, Clone: 240743E6) and PE-conjugated Goat Anti-Rabbit IgG. Cells were co-stained with CoraLite® Plus 647 Anti-Mouse CD4. Cells were not fixed. This data was developed using the same antibody clone with 98120-1-PBS in a different storage buffer formulation.

1x10⁶ PMA and ionomycin treated mouse CD3⁺ T cells were surface stained with 0.25 ug Anti-Mouse CD40L/CD154 Rabbit Recombinant Antibody (98120-1-RR, Clone: 240743E6) (red) or Isotype Control (blue) and PE-conjugated Goat Anti-Rabbit IgG. 1x10⁶ untreated mouse CD3⁺ T cells were surface stained with 0.25 ug Anti-Mouse CD40L/CD154 Rabbit Recombinant Antibody (98120-1-RR, Clone: 240743E6) and PE-conjugated Goat Anti-Rabbit IgG (black,