

For Research Use Only

CoraLite® Plus 750 Anti-Human CD40 Rabbit Recombinant Antibody

Catalog Number:CL750-98191



Basic Information

Catalog Number: CL750-98191	GenBank Accession Number: NM_001250.6	Purification Method: Protein A purification
Size: 100tests , 5 ul/test	GeneID (NCBI): 958	CloneNo.: 241760A9
Source: Rabbit	ENSEMBL Gene ID: ENSG00000101017	Recommended Dilutions: FC: 5 ul per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	UNIPROT ID: P25942-1	Excitation/Emission maxima wavelengths: 755 nm / 780 nm
Immunogen Catalog Number: EG1797	Full Name: CD40 molecule, TNF receptor superfamily member 5	
	Calculated MW: 31kDa	

Applications

Tested Applications: FC	Positive Controls: FC : human PBMCs,
Species Specificity: human	

Background Information

CD40, also named as TNFRSF5 and Bp50, is a receptor for TNFSF5/CD40LG. It is a member of the TNFR superfamily and is responsible for the efficient activation of cell-mediated and humoral immune responses via activated T cells and B cells, respectively. Defects in CD40 lead to hyper-IgM immunodeficiency syndrome type 3 (HIGM3) (PMID: 11675497). This is an autosomal recessive disorder that includes the inability of B cells to undergo isotype switching, a key step in the final differentiation of the humoral immune response, and an inability to mount an antibody-specific immune response.

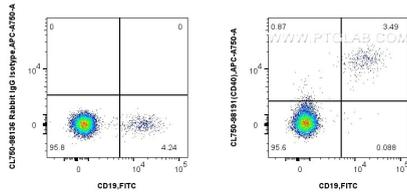
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

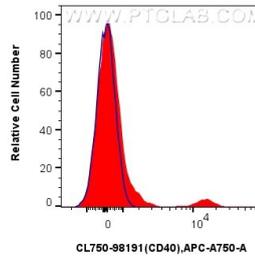
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

Selected Validation Data



1x10⁶ human PBMCs were surface stained with FITC Plus Anti-Human CD19, and 5 ul CoraLite® Plus 750 Anti-Human CD40 Rabbit RecAb (CL750-98191, Clone:241760A9) or CoraLite® Plus 750 Rabbit IgG Isotype Control Recombinant Antibody (CL750-98136, Clone: 240953C9). Cells were not fixed. Lymphocytes were gated.



1x10⁶ human PBMCs were surface stained with 5 ul CoraLite® Plus 750 Anti-Human CD40 Rabbit RecAb (CL750-98191, Clone: 241760A9) (red) or CoraLite® Plus 750 Rabbit IgG Isotype Control Recombinant Antibody (CL750-98136, Clone: 240953C9) (blue). Cells were not fixed. Lymphocytes were gated.