

For Research Use Only

FcZero-rAb® CoraLite® Plus 405 Anti-Mouse CD40 Rabbit Recombinant Antibody

Catalog Number: **CL405-FcA98122**



Basic Information

Catalog Number: CL405-FcA98122	GenBank Accession Number: NM_011611.2	Purification Method: Protein A purification
Size: 100ug , 500 ug/ml	GeneID (NCBI): 21939	CloneNo.: 240874G8
Source: Rabbit	UNIPROT ID: P27512-1	Recommended Dilutions: FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: CD40 antigen	Excitation/Emission maxima wavelengths: 399 nm / 422 nm
Immunogen Catalog Number: EG1118	Calculated MW: 32 kDa	

Applications

Tested Applications: FC	Positive Controls: FC : mouse splenocytes,
Species Specificity: mouse	

Background Information

CD40, also named as TNFRSF5 and Bp50, is a type I transmembrane protein that belongs to the tumor necrosis factor-R (TNF-R) family (PMID: 10647992). CD40 is expressed on B cells, dendritic cells (DCs), monocytes, platelets, and macrophages as well as by non-hematopoietic cells such as myofibroblasts, fibroblasts, epithelial, and endothelial cells (PMID: 19426221). It is a receptor for TNFSF5/CD40LG. CD40L/CD40 interactions are essential for immunoglobulin (Ig) isotype switching, germinal center formation and the development of B cell memory (PMID: 7516405; 11675497).

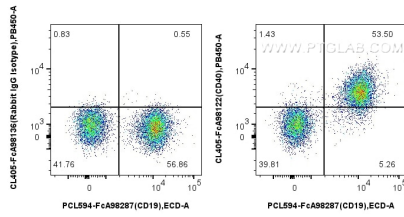
Storage

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

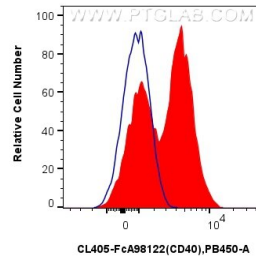
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with FcZero-rAb® PE-CorLite® Plus 594 Anti-Mouse CD19, and 0.25 ug CoraLite® Plus 405 Anti-Mouse CD40 Rabbit RecAb (CL405-FcA98122, Clone: 240874G8) or FcZero-rAb® CoraLite® Plus 405 Rabbit IgG Isotype Control Recombinant Antibody (CL405-FcA98136, Clone: 240953C9). Cells were not fixed.



1x10⁶ mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 405 Anti-Mouse CD40 Rabbit RecAb (CL405-FcA98122, Clone: 240874G8) (red) or 0.25 ug FcZero-rAb® CoraLite® Plus 405 Rabbit IgG Isotype Control Recombinant Antibody (CL405-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.