

For Research Use Only

Anti-Mouse CD40 Rabbit Recombinant Antibody

Catalog Number: 98122-1-RR



Basic Information

Catalog Number: 98122-1-RR	GenBank Accession Number: NM_011611.2	Purification Method: Protein A purification
Size: 100ug , 1000 µg/ml	GeneID (NCBI): 21939	CloneNo.: 240874G8
Source: Rabbit	UNIPROT ID: P27512-1	
Isotype: IgG	Full Name: CD40 antigen	
	Calculated MW: 32 kDa	

Applications

Tested Applications:
FC

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

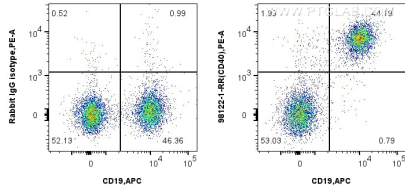
Storage:
Store at 2 - 8°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide, pH 7.3.

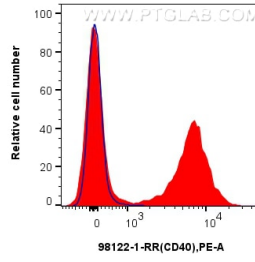
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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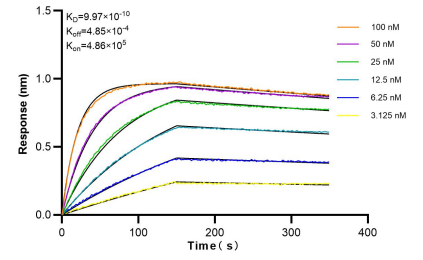
Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CD40 Rabbit Recombinant Antibody (98122-1-RR, Clone: 240874G8) or 0.25 ug Isotype Control, and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were co-stained with APC Anti-Mouse CD19 (1D3) (APC-65290, Clone: 1D3). Cells were not fixed.



1x10⁶ mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CD40 Rabbit Recombinant Antibody (98122-1-RR, Clone: 240874G8) (red) or 0.25 ug Isotype Control (blue) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed.



Bi-layer interferometry (BLI) kinetic assays of 98122-1-RR against Mouse CD40 were performed. The affinity constant is 0.997 nM.