

For Research Use Only

# Anti-Mouse CD40 Rabbit Recombinant Antibody

Catalog Number: 98122-1-RR



## Basic Information

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

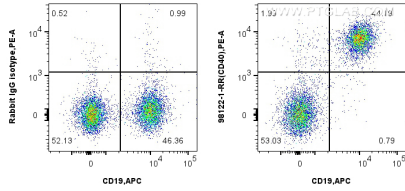
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E: Proteintech-CN@ptglab.com

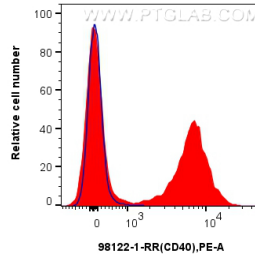
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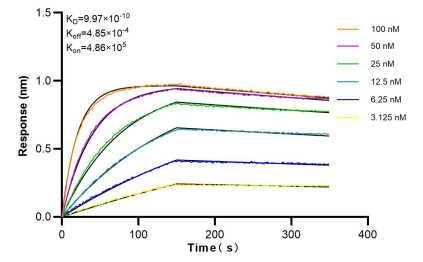
## Selected Validation Data



$1 \times 10^6$  mouse splenocytes were surface stained with 0.25  $\mu$ g Anti-Mouse CD40 Rabbit Recombinant Antibody (98122-1-RR, Clone: 240874G8) or 0.25  $\mu$ g 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.



$1 \times 10^6$  mouse splenocytes were surface stained with 0.25  $\mu$ g Anti-Mouse CD40 Rabbit Recombinant Antibody (98122-1-RR, Clone: 240874G8) (red) or 0.25  $\mu$ g 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.