

For Research Use Only

Anti-Mouse CD40 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98122-1-PBS



Basic Information

Catalog Number:

98122-1-PBS

Size:

1mg, 2 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_011611.2

GeneID (NCBI):

21939

UNIPROT ID:

P27512-1

Full Name:

CD40 antigen

Calculated MW:

32 kDa

Purification Method:

Protein A purification

CloneNo.:

240874G8

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 -80°C.

Storage Buffer:

PBS Only

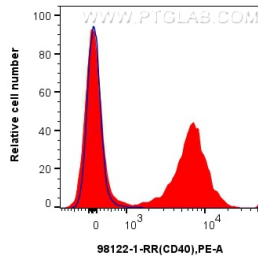
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

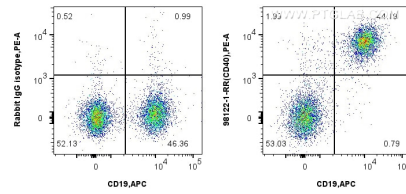
E: proteintech@ptglab.com
W: ptglab.com

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

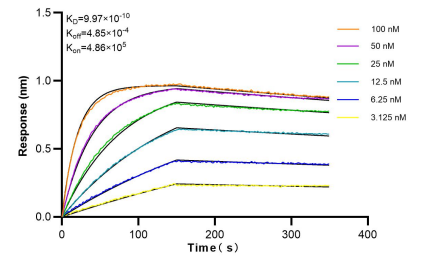
Selected Validation Data



1x10⁶ 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. This data was developed using the same antibody clone with 98122-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 98122-1-PBS in a different storage buffer formulation.



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