

For Research Use Only

# FcZero-rAb™ PE Anti-Mouse CD40 Rabbit Recombinant Antibody

Catalog Number: PE-FcA98122



## Basic Information

Catalog Number:

PE-FcA98122

Concentration:

100ug, 200 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_011611.2

GeneID (NCBI):

21939

Full Name:

CD40 antigen

Calculated MW:

32 kDa

Purification Method:

Protein A purification

CloneNo.:

240874G8

Recommended Dilutions:

FC: 0.06 ug per 10<sup>6</sup> cells in 100 µl suspension

Excitation/Emission maxima wavelengths:

496 nm, 565 nm / 578 nm

## Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : mouse splenocytes,

## 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 and 0.5% BSA, pH7.3

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

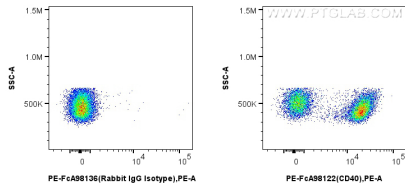
T: 4006900926

E: Proteintech-CN@ptglab.com

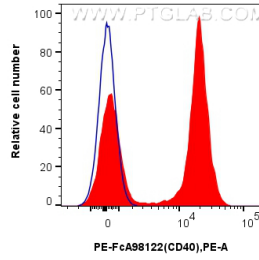
W: ptgcn.com

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## Selected Validation Data



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug PE Anti-Mouse CD40 Rabbit RecAb (PE-FcA98122, Clone: 240874G8) or 0.25 ug PE Rabbit IgG Isotype Control RecAb (PE-FcA98136, Clone: 240953C9). Cells were not fixed.



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug PE Anti-Mouse CD40 Rabbit RecAb (PE-FcA98122, Clone: 240874G8) (red) or 0.25 ug PE Rabbit IgG Isotype Control RecAb (PE-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.