CoraLite® Plus 647 Anti-Mouse CD40 Rabbit Recombinant Antibody

Catalog Number:CL647-98122

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Antibodies | ELISA kits | Proteins
Uni-rAb
www.ptglab.com

Basic Information

Catalog Number:
CL647-98122

Concentration:
100ug, 500 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG1118

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

Recommended Dilutions:
FC : 0.25 ug per 10^6 cells in a 100 μl suspension

Excitation/Emission maxima wavelengths:
654 nm / 674 nm

Applications

Tested Applications:
FC

Species Specificity:
mouse

Positive Controls:

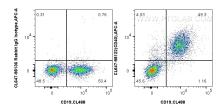FC : mouse splenocytes,

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).
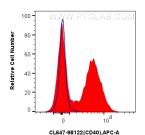
Storage

Storage:
Store at 2-8℃. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

Selected Validation Data

1x10^6 mouse splenocytes were surface stained with CoraLite® Plus 488 Anti-Mouse CD19, and 0.25 ug CoraLite® Plus 647 Anti-Mouse CD40 Rabbit RecAb (CL647-98122, Clone: 240874G8) or CoraLite® Plus 647 Rabbit IgG Isotype Control RecAb (CL647-98136, Clone: 240953C9). Cells were not fixed.

1x10^6 mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse CD40 Rabbit RecAb (CL647-98122, Clone: 240874G8) (red) or CoraLite® Plus 647 Rabbit IgG Isotype Control RecAb (CL647-98136, Clone: 240953C9) (blue). Cells were not fixed.