

Anti-Human CD40 (G28.5)

Catalog Number: 65103-1-Ig

Basic Information

Catalog Number:

65103-1-Ig

Size:

100ug, 0.5 mg/ml

Source:

Mouse

Isotype:

IgG1, kappa

GenBank Accession Number:

BC012419

GeneID (NCBI):

958

ENSEMBL Gene ID:

ENSG00000101017

Full Name:

CD40 molecule, TNF receptor superfamily member 5

Calculated MW:

277 aa, 31 kDa

Purification Method:

Affinity purification

CloneNo.:

G28.5

Applications

Tested Applications:

FC

Species Specificity:

Human

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

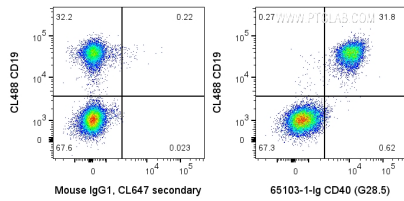
Storage:

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

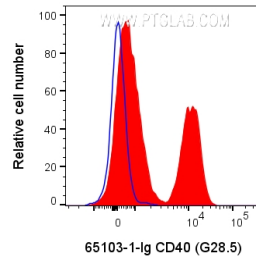
Storage Buffer:

PBS with 0.09% sodium azide.

Selected Validation Data



1X10⁶ human PBMCs were surface stained with 0.2 ug Anti-Human CD40 (65103-1-Ig, Clone:G28.5) or Mouse IgG1 Isotype Control and CoraLite®647-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000. Cells were then stained with CoraLite®488 Anti-Human CD19. Cells were not fixed. Lymphocytes were gated.



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