

For Research Use Only

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:

Mouse IgG1, kappa

GenBank Accession Number:

BC012419

GeneID (NCBI):

958

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, ELISA

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.

Storage Buffer:

Phosphate based buffer with 0.09% sodium azide, pH 7.2.

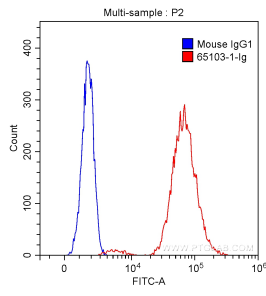
For technical support and original validation data for this product please contact:

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Selected Validation Data



1X10⁶ Raji cells were surface stained with 0.50 ug Anti-Human CD40 (65103-1-Ig, Clone: G28.5) (red) or 0.50 ug isotype control antibody (blue) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) with dilution of 1:1000. Samples were not fixed.