

For Research Use Only

# CoraLite® Plus 488 Anti-Human CD40 (G28.5)



Catalog Number: CL488-65103

## Basic Information

Catalog Number:

CL488-65103

Size:

100 tests, 5 µl/test

Source:

Mouse

Isotype:

Mouse 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

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## 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. Avoid exposure to light.

Storage Buffer:

PBS with 0.1% sodium azide and 0.5% BSA, pH 7.3.

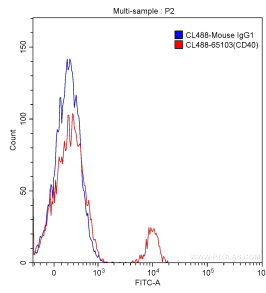
For technical support and original validation data for this product please contact:

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

## Selected Validation Data



1X10<sup>6</sup> human peripheral blood lymphocytes were surface stained with 5.00 ul/test CoraLite® Plus 488-conjugated Anti-Human CD40 (CL488-65103, Clone: G28.5) (red) or isotype control antibody (blue). Cells were not fixed.