

For Research Use Only

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



Catalog Number: CL488-65103

Basic Information

| | | |
|---------------------------------------|---|---|
| Catalog Number: CL488-65103 | GenBank Accession Number: BC012419 | Purification Method: Affinity purification |
| Size: 100tests , 5 µl/test | GeneID (NCBI): 958 | CloneNo.: G28.5 |
| Source: Mouse | Full Name: CD40 molecule, TNF receptor superfamily member 5 | Excitation/Emission maxima wavelengths: 488 nm/515 nm |
| Isotype: Mouse IgG1, kappa | Calculated MW: 277 aa, 31 kDa | |

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

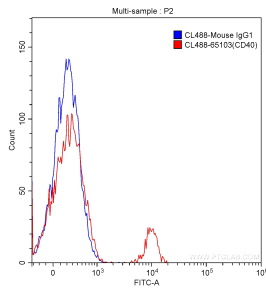
Storage:
Store at 2-8°C. Avoid exposure to light.

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:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1X10⁶ human peripheral blood lymphocytes were surface stained with 5.00 ul/test CoraLite®488-conjugated Anti-Human CD40 (CL488-65103, Clone: G28.5) (red) or isotype control antibody (blue). Samples were not fixed.