

For Research Use Only

CoraLite® Plus 647 Anti-Human CD40 (G28.5)



Catalog Number: CL647-65103

Basic Information

Catalog Number: CL647-65103	GenBank Accession Number: BC012419	Purification Method: Affinity purification
Size: 100tests, 5 µl/test	GeneID (NCBI): 958	CloneNo.: G28.5
Source: Mouse	ENSEMBL Gene ID: ENSG00000101017	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Isotype: IgG1, kappa	Full Name: CD40 molecule, TNF receptor superfamily member 5	
	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. Stable for one year after shipment.

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:

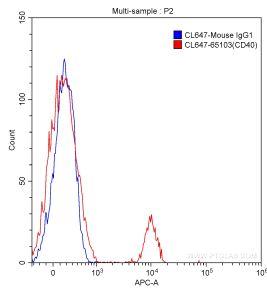
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ human peripheral blood lymphocytes were surface stained with 5.00 ul/test CoraLite® Plus 647-conjugated Anti-Human CD40 (CL647-65103, Clone: G28.5) (red) or isotype control antibody (blue). Cells were not fixed.