

For Research Use Only

CoraLite® Plus 488 Anti-Mouse CD40 (1C10)



Catalog Number: **CL488-65062**

Basic Information

Catalog Number: CL488-65062	GenBank Accession Number: BC029254	Purification Method: Affinity purification
Size: 100ug, 500 µg/ml	GeneID (NCBI): 21939	CloneNo.: 1C10
Source: Rat	UNIPROT ID: P27512	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG2a, kappa	Full Name: CD40 antigen	

Applications

Tested Applications:
FC

Species Specificity:
Mouse

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:

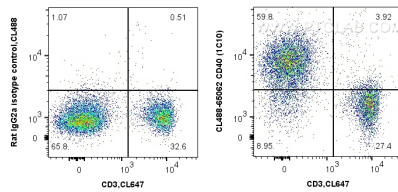
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ C57BL/6 mouse splenocytes were surface co-stained with CoraLite® Plus 647 Anti-Mouse CD3 (17A2) and 2 ug CoraLite® Plus 488 Anti-Mouse CD40 (CL488-65062, Clone:1C10) or 2 ug CoraLite® Plus 488 Rat IgG2a Isotype Control (2A3). Cells were not fixed.