

For Research Use Only

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



Catalog Number: CL488-65062

## Basic Information

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

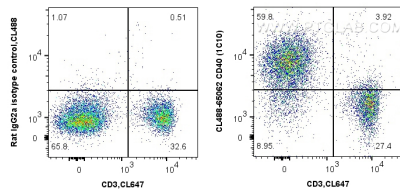
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**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



1X10<sup>6</sup> 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.