

For Research Use Only

APC Anti-Mouse CD40 (1C10)

Catalog Number: APC-65062 **1 Publications**



Basic Information

Catalog Number: APC-65062	GenBank Accession Number: BC029254	Purification Method: Affinity purification
Size: 100ug, 0.1 mg/ml	GeneID (NCBI): 21939	CloneNo.: 1C10
Source: Rat	UNIPROT ID: P27512	Excitation/Emission maxima wavelengths: 650 nm / 660 nm
Isotype: IgG2a, kappa	Full Name: CD40 antigen	

Applications

Tested Applications:
FC

Cited Applications:
FC

Species Specificity:
mouse

Cited Species:
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).

Notable Publications

Author	Pubmed ID	Journal	Application
Xu Gao	36516531	Int Immunopharmacol	FC

Storage

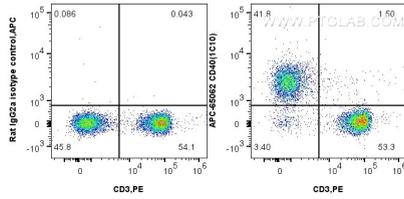
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide.

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



1x10⁶ mouse splenocytes were surface stained with 0.2 ug APC Anti-Mouse CD40 (1C10) (APC-65062, Clone: 1C10) or 0.2 ug APC Rat IgG2a Isotype Control (2A3) (APC-65209, Clone: 2A3). Cells were co-stained with PE Anti-Mouse CD3 (17A2) (PE-65077, Clone: 17A2). Cells were not fixed.