For Research Use Only

FITC Anti-Mouse CD40 (1C10)

Catalog Number:FITC-65062 4 Publications

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Basic Information

Catalog Number:
FITC-65062

Size:
500ug , 0.5 mg/ml

Source:
Rat

Isotype:
IgG2a, kappa

GenBank Accession Number:
BC029254

GeneID (NCBI):
21939

UNIPROT ID:
P27512

Full Name:
CD40 antigen

Purification Method:
Affinity purification

CloneNo.:
1C10

Excitation/Emission maxima wavelengths:
494 nm / 520 nm

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
Hongping Wan	38888501	Adv Healthc Mater	FC
Kai Deng	38852736	Int J Biol Macromol	FC

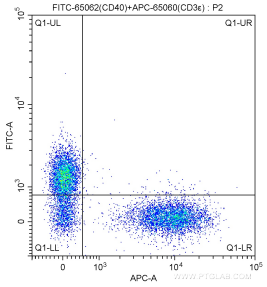
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.1% sodium azide.

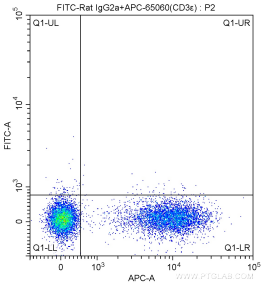
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1X10^6 BALB/c mouse splenocytes were surface stained with APC-Anti-Mouse CD3ε (APC-65060, Clone: 145-2C11) and 0.20 ug FITC-Anti-Mouse CD40 (FITC-65062, Clone: 1C10). Cells were not fixed.



1X10^6 BALB/c mouse splenocytes were surface stained with APC-Anti-Mouse CD3ε (APC-65060, Clone: 145-2C11) and 0.20 ug FITC-Rat IgG2a isotype control antibody. Cells were not fixed.