

For Research Use Only

FITC Anti-Mouse CD40 (1C10)

Catalog Number: FITC-65062

4 Publications



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.

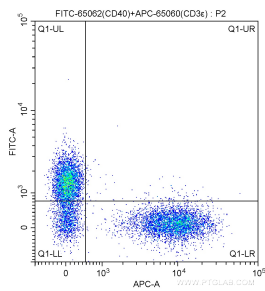
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

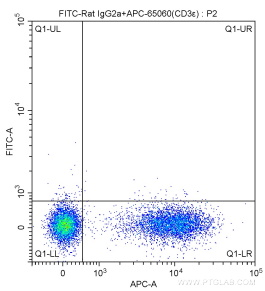
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1X10⁶ 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.



1X10⁶ 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.