

# APC Anti-Human CD40 (G28.5)

Catalog Number: **APC-65103**

## Basic Information

**Catalog Number:**

APC-65103

**Size:**

100 tests, 5 µL/test

**Source:**

Mouse

**Isotype:**

IgG1, kappa

**GenBank Accession Number:**

BC012419

**GeneID (NCBI):**

958

**ENSEMBL Gene ID:**

ENSG00000101017

**UNIPROT ID:**

P25942

**Full Name:**

CD40 molecule, TNF receptor superfamily member 5

**Calculated MW:**

277 aa, 31 kDa

**Purification Method:**

Affinity purification

**CloneNo.:**

G28.5

**Excitation/Emission maxima wavelengths:**

650 nm / 660 nm

## Applications

**Tested Applications:**

FC

**Species Specificity:**

Human

## 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

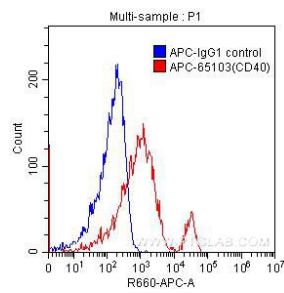
**Storage:**

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

**Storage Buffer:**

Phosphate based buffer with 0.09% sodium azide and 0.1% gelatin, pH 7.2.

## Selected Validation Data



1X10<sup>6</sup> human peripheral blood lymphocytes were surface stained with 0.20 ug APC-anti-human CD40 (APC-65103, clone G28.5) (red) or 0.20 ug APC-mouse IgG1 isotype control (blue). Cells were not fixed.