

# APC Rabbit anti-Human CD154/CD40L mAb

Catalog No.: A28809

## Basic Information

**Observed MW**

**Calculated MW**

**Category**

Primary antibody

**Applications**

FC

**Cross-Reactivity**

Human

**CloneNo number**

ARC82127

**Conjugate**

APC. Ex:650nm. Em:660nm.

## Background

CD40 ligand (CD40L), also known as CD154, TRAP and gp39, is a ligand of the TNF receptor family member CD40. CD40L is expressed as a soluble cytokine or as a heterotrimeric transmembrane protein. CD40L is mainly expressed on the surface of T cells, but has also been found in blood platelets, mast cells, basophils, NK cells, and B cells. It plays an important role in stimulating B cell proliferation and survival, as well as promoting immunoglobulin class switching and IgE secretion. The signal generated by CD40 varies according to the cell type, including activation of the MAPK pathway and NF- $\kappa$ B. Mutations within the CD40L gene are associated with X-linked IgM hyperactivity syndrome, which is characterized by high serum IgM levels and decreased levels of other isotypes. The CD40L/CD40 pathway is an important area of research in cancer, vascular diseases, and inflammatory disorders.

## Recommended Dilutions

**FC** 5  $\mu$ l per  $10^6$  cells in  
100  $\mu$ l volume

## Immunogen Information

**Gene ID**

959

**Swiss Prot**

P29965

**Immunogen**

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

**Synonyms**

CD154; CD40L; HIGM1; IGM; IMD3; T-BAM; TNFSF5; TRAP; gp39; hCD40L

## Contact

 | 400-999-6126

 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

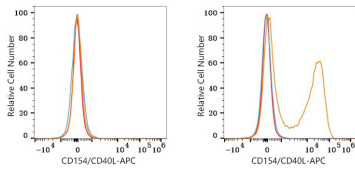
**Storage**

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

## Validation Data

---



Flow cytometry:  $1 \times 10^6$  Human PBMC (untreated, left) and Human PBMC (treated with 50 ng/mL PMA and 1  $\mu$ g/mL ionomycin for 6 hours, right) were surface-stained with APC Rabbit anti-Human CD154/CD40L mAb (A28809, 5  $\mu$ l/Test, orange line) or APC Rabbit IgG isotype control (A24173, 5  $\mu$ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line). Cells in the lymphocyte gate were used for analysis.