

A Reliable Research Partner in Life Science and Medicine

# Elab Fluor® Violet 450 Anti-Human CD40 Antibody[G28.5]

Catalog Number: E-AB-F1214Q

Note: Centrifuge before opening to ensure complete recovery of vial contents.

#### **Description**

Reactivity Human Host Mouse

**Isotype** Mouse IgG1, κ

Clone No. G28.5

Isotype Control Elab Fluor® Violet 450 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-

F09792Q1

**Conjugation** Elab Fluor<sup>®</sup> Violet 450

**Conjugation Information** Elab Fluor<sup>®</sup> Violet 450 is designed to be excited by the violet laser (405 nm) and

detected using an optical filter centered near 450 nm (e.g., a 450/45 nm bandpass filter).

Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

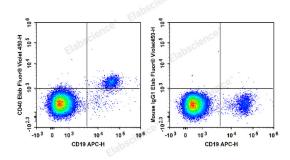
## Applications Recommended usage

FCM Each lot of this antibody is quality control tested by flow cytometric analysis. The amount

of the reagent is suggested to be used 5  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for

individual use.

### **Data**



Human peripheral blood lymphocytes are stained with APC

Anti-Human CD19 Antibody and Elab Fluor® Violet 450 Anti-Human CD40 Antibody (Left). Lymphocytes are stained with

APC Anti-Human CD19 Antibody and Elab Fluor<sup>®</sup> Violet 450 Mouse IgG1, κ Isotype Control (Right).

# **Preparation & Storage**

**Storage** Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

## **Antigen Information**

Alternate Names Bp50;CD40L receptor;CDw40;TNFRSF5

Uniprot ID P25942

## For Research Use Only

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### **Elabscience Bionovation Inc.**



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Gene ID Background 958

CD40 is a 48 kD type I glycoprotein also known as BP50. It is a member of the TNFR superfamily primarily expressed on B cells, macrophages, follicular dendritic cells, endothelial cells, fibroblasts, and at low levels on plasma cells. CD40 has been reported to be involved in B cell differentiation, costimulation, isotype class-switching, and protection of B cells from apoptosis. Additionally, CD40 is important for T cell-B cell interactions. The ligand of CD40 is CD154 (CD40 ligand).