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# PE/Elab Fluor® 594 Anti-Mouse CD40 Antibody[FGK4.5/FGK45]

Catalog No. E-AB-F1028P Reactivity Mouse Storage Store at 2~8°C, Avoid freeze / thaw cycles **Applications FCM** 

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

## **Antigen Information**

**Alternate Names** Tumor necrosis factor receptor superfamily member 5,Cd40,B-cell surface antigen

CD40,Bp50,CD40L receptor,CD40,Tnfrsf5

**Uniprot ID** P27512 Gene ID 21939

**Background** CD40 is a 48 kD type I transmembrane glycoprotein also known as Bp50. It is a member of the

tumor necrosis factor receptor (TNFR) superfamily and is expressed on B cells, basal epithelial

cells, macrophages, follicular dendritic cells, endothelial cells, and a subset of CD34+

hematopoietic progenitors. CD40 regulates B cell development/maturation, Ig isotype switching and, in combination with other signals such as IL-4, protects B cells from surface Ig-induced apoptosis and promotes proliferation. Interaction of CD40 with its ligand CD154 (gp39), which is

expressed on activated T cells, is important in costimulation and immune regulation.

### **Product Details**

Form Liquid

Size 50Tests/100Tests/100Tests×2

Clone No. FGK4.5/FGK45

Host Rat

Rat IgG2a, κ **Isotype** Reactivity Mouse **Application FCM** 

PE/Elab Fluor<sup>®</sup> 594 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09832P] **Isotype Control** 

**Storage Buffer** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

Shipping Biological ice pack at 4 °C Stability & Storage Keep as concentrated solution.

Store at 2~8°C and protected from prolonged exposure to light.Do not freeze.

This product is guaranteed up to one year from purchase.

For Research Use Only

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017 Email: techsupport@elabscience.com Web: www.elabscience.com

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# **Fluorophore**

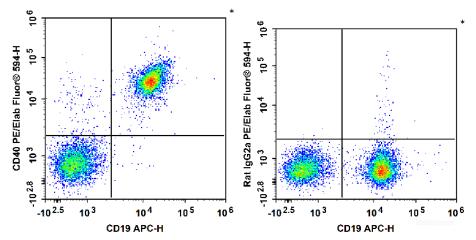
Conjugation: PE/Elab Fluor® 594

PE/Elab Fluor<sup>®</sup> 594 is designed to be excited by the blue (488 nm), Green (532 nm) and yellow-green (561 nm) lasers and detected using an optical filter centered near 620 nm (e.g., a 610/20 nm bandpass filter).

### **Recommended usage**

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.

### **Product data**



C57BL/6 murine splenocytes are stained with APC Anti-Mouse CD19 Antibody and PE/Elab Fluor<sup>®</sup> 594 Anti-Mouse CD40 Antibody (Left). Splenocytes are stained with APC Anti-Mouse CD19 Antibody and PE/Elab Fluor<sup>®</sup> 594 Rat IgG2a,  $\kappa$  Isotype Control (Right).

### **Related Information**

- 1. Sample Preparation for Flow Cytometry <a href="https://www.elabscience.com/List-detail-5594.html">https://www.elabscience.com/List-detail-5594.html</a>
- 2. Staining Cell Surface Targets for Flow Cytometry <a href="https://www.elabscience.com/List-detail-5568.html">https://www.elabscience.com/List-detail-5568.html</a>
- 3. Flow Cytometry Troubleshooting Tips <a href="https://www.elabscience.com/List-detail-5593.html">https://www.elabscience.com/List-detail-5593.html</a>
- 4. How to select the appropriate detection channel through the spectrogram? <a href="https://www.elabscience.com/List-detail-459742.html">https://www.elabscience.com/List-detail-459742.html</a>

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