



A Reliable Research Partner in Life Science and Medicine

Elab Fluor® 647 Anti-Mouse CD40 Antibody[FGK4.5/FGK45]

Catalog No. E-AB-F1028M 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

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

50Tests/100Tests/100Tests×2 Size

Clone No. FGK4.5/FGK45

Host Rat

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

Elab Fluor[®] 647 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09832M] **Isotype Control**

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

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 Email: techsupport@elabscience.com Web: www.elabscience.com

Tel: 1-832-243-6086 Fax: 1-832-243-6017

A Reliable Research Partner in Life Science and Medicine

Fluorophore

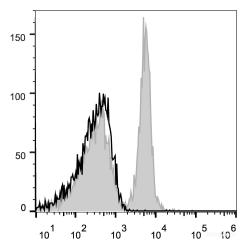
Conjugation: Elab Fluor® 647

Elab Fluor[®] 647 is designed to be excited by the Red laser (627-640 nm) and detected using an optical filter centered near 670 nm (e.g., a 660/20 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 μ L of antibody per test (million cells in 100 μ L staining volume or per 100 μ 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 Elab Fluor[®] 647 Anti-Mouse CD40 Antibody (filled gray histogram) or isotype control (empty black histogram).

Related Information

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

For Research Use Only

 Toll-free: 1-888-852-8623
 Tel: 1-832-243-6086

 Web: www.elabscience.com
 Email: techsupport@elabscience.com