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

Catalog No.E-AB-F1028UMReactivityMouseStorageStore at 2~8°C, Avoid freeze / thaw cyclesApplicationsFCM

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

 $\begin{tabular}{lll} Form & Liquid \\ Concentration & 0.5 mg/mL \\ Size & 25 \mu g/100 \mu g \\ Clone No. & FGK4.5/FGK45 \\ \end{tabular}$

Host Rat

IsotypeRat IgG2a, κReactivityMouseApplicationFCM

Isotype Control Elab Fluor[®] 647 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09833M]

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

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Fluorophore

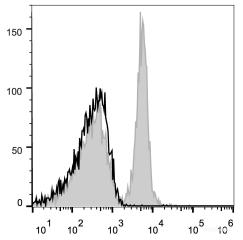
Conjugation: Elab Fluor® 647

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. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1 $\mu g/10^6$ cells in $100~\mu L$ volume].

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

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