A Reliable Research Partner in Life Science and Medicine

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

Catalog Number: E-AB-F1028UP

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

Description

Reactivity Mouse Rat Host

Isotype Rat IgG2a, ĸ Clone No. FGK4.5/FGK45

Isotype Control PE/Elab Fluor[®] 594 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09833P]

Conjugation PE/Elab Fluor®594

Conjugation Information PE/Elab Fluor® 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).

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

Applications Recommended usage

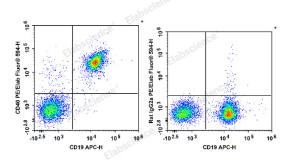
FCM Each lot of this antibody is quality control tested by flow cytometric analysis. Please

> 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 μg/10⁶ cells

in 100 µL volume].

Data



C57BL/6 murine splenocytes are stained with APC Anti-

Mouse CD19 Antibody and PE/Elab Fluor® 594 Anti-Mouse CD40 Antibody (Left). Splenocytes are stained with APC

Anti-Mouse CD19 Antibody and PE/Elab Fluor® 594 Rat IgG2a, 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 B-cell surface antigen CD40;Bp50;CD40;CD40L receptor;Cd40;Tnfrsf5;Tumor necrosis

factor receptor superfamily member 5

For Research Use Only

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Uniprot ID Gene ID Background P27512 21939

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 developmen t/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.

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