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FITC Anti-Mouse CD40 Antibody[FGK4.5/FGK45]

Catalog Number: E-AB-F1028UC

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

Description

Reactivity Mouse Host Rat

IsotypeRat IgG2a, κClone No.FGK4.5/FGK45

Isotype Control FITC Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09833C]

Conjugation FITC

Conjugation Information FITC is designed to be excited by the Blue laser (488 nm) and detected using an optical

filter centered near 530 nm (e.g., a 525/40 nm bandpass filter).

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

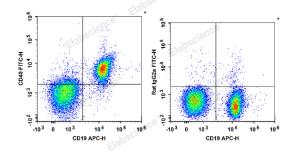
Applications Recommended usage

FCM Each lot of this antibody is quality control tested by flow cytometric analysis. 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 µL volume].

Data



C57BL/6 murine splenocytes are stained with APC Anti-Mouse CD19 Antibody and FITC Anti-Mouse CD40 Antibody (Left). Splenocytes are stained with APC Anti-Mouse CD19 Antibody and FITC 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

 Uniprot ID
 P27512

 Gene ID
 21939

For Research Use Only

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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 developmen t/maturation, Ig isotype switching and, in combination with other signals such as IL-4, protects B cells from surface lg-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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