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

Catalog Number: E-AB-F1028B

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

Description

Reactivity Mouse Host Rat

IsotypeRat IgG2a, KClone No.FGK4.5/FGK45

**Isotype Control** Biotin Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09833B]

Conjugation Biotin

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. For flow

cytometric staining, the suggested use of this reagent is  $\leq$  1.0  $\mu$ g per 10<sup>6</sup> cells in 100  $\mu$ L volume or 100  $\mu$ L of whole blood. It is recommended that the reagent be titrated for

optimal performance for each application.

**Preparation & Storage** 

**Storage** Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. 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

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 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.