

A Reliable Research Partner in Life Science and Medicine

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

Catalog Number: E-AB-F1028UD

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

#### **Description**

Reactivity Mouse Rat Host

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

PE Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09833D] **Isotype Control** 

Conjugation

**Conjugation Information** PE 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 575 nm (e.g., a 585/42

nm bandpass filter).

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

#### **Applications** Recommended usage

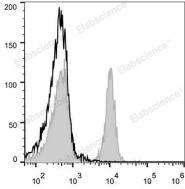
**FCM** Each lot of this antibody is quality control tested by flow cytometric analysis. Please

> 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 μg/10<sup>6</sup> cells

in 100 µL volume].

## Data



C57BL/6 murine splenocytes are stained with PE Anti-Mouse CD40 Antibody (filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.

#### **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

Fax: 1-832-243-6017 Tel: 1-832-243-6086 Toll-free: 1-888-852-8623 Email:techsupport@elabscience.com

Web:www.elabscience.com

# Elabscience Bionovation Inc.



A Reliable Research Partner in Life Science and Medicine

### **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.

Fax: 1-832-243-6017 Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Web:www.elabscience.com