

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

Catalog Number: E-AB-F1028D

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

### Description

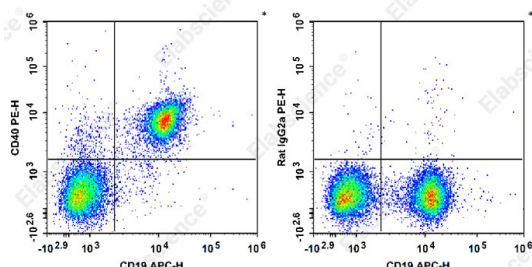
Reactivity	Mouse
Host	Rat
Isotype	Rat IgG2a, $\kappa$
Clone No.	FGK4.5/FGK45
Isotype Control	PE Rat IgG2a, $\kappa$ Isotype Control[2A3] [Product E-AB-F09832D]
Conjugation	PE
Conjugation Information	PE is designed to be excited by the Blue (488 nm), Green (532 nm) and Yellow-Green (561 nm) lasers and 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 and 1% protein protectant.

### Applications

### Recommended usage

FCM	Each lot of this antibody is quality control tested by flow cytometric analysis. <b>The amount of the reagent is suggested to be used 5 <math>\mu</math>L of antibody per test (million cells in 100 <math>\mu</math>L staining volume or per 100 <math>\mu</math>L of whole blood).</b> Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.
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### Data



Staining of C57BL/6 murine splenocytes with APC Anti-Mouse CD19 Antibody[1D3] and PE Anti-Mouse CD40 Antibody[FGK4.5/FGK45] (left) or PE Rat IgG2a,  $\kappa$  Isotype Control (right). Total viable cells were used for analysis.

### 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
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### For Research Use Only

**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 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.

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