

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

Catalog Number: GF1028A

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

### Description

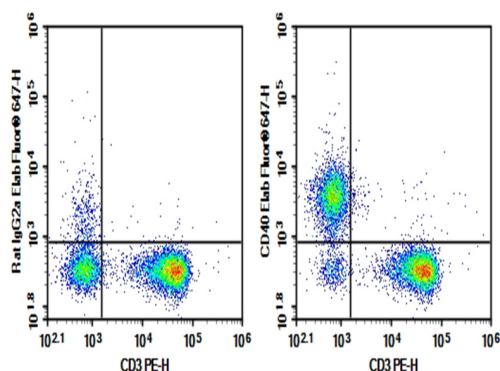
Reactivity	Mouse
Immunogen	Recombinant Mouse CD40 protein
Host	Rat
Isotype	Rat IgG2a, $\kappa$
Clone	FGK4.5/FGK45
Purification	>98%, Protein A/G purified
Conjugation	Unconjugated
Buffer	Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling.

### Applications

### Recommended Dilution

FCM	2 $\mu\text{g/mL}$ ( $0.5 \times 10^6$ - $1 \times 10^6$ cells)
-----	---

### Data



C57/BL6 Mouse splenocytes were stained with 0.2  $\mu\text{g}$  Purified Anti-Mouse CD40 Antibody[FGK4.5/FGK45](Right) and 0.2  $\mu\text{g}$  Rat IgG2a,  $\kappa$  Isotype Control(Left), followed by Elab Fluor® 647-conjugated Goat Anti-Rat IgG Secondary Antibody, then anti-Mouse CD3 PE-conjugated Monoclonal Antibody.

### Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	Ice bag

### 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.