

## LE/AF Purified Anti-Mouse CD40 Monoclonal Antibody



天津三箭生物技术股份有限公司  
Tianjin Sungene Biotech Co., Ltd.  
标准 高效 稳定 Precision Efficient Stable

Catalog Number	Vial Size
M10401-14B	50 µg
M10401-14E	500 µg
M10401-14F	1 mg

**Market** | 400-621-0003  
marketing@sungenebiotech.com

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**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.  
This product is guaranteed up to one year from purchase.

### Purified Antibody Characterization

Clone	Isotype	Reactivity
FGK4.5	Rat IgG2a	Mouse

### Description

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<sup>+</sup> 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.

### Reported Applications

This FGK4.5 antibody has been reported for use in flow cytometric.

### Product Information

**Production Method:** Stirred tank fermentation

**Medium:** Hybridoma-SFM + 1%FCS + Glc + P/S

**Purification Method:** Protein G

**Concentration:** 1 mg/ml

**Endotoxin:** < 2.00 EU/mg (LAL)

**Purity:** >95% (by SDS-PAGE)

**Sterile:** 0.2 µm Filtration

**Formulated:** PBS, pH7.2

**Storage:** Keep as concentrated solution. Store at 4°C as an undiluted liquid. For extended storage aliquot contents and freeze at -20°C or lower. Avoid cycles of freezing and thawing.

**For Research Use Only.**