

### 36-3821: Anti-CD40, Mouse Monoclonal Antibody(Clone: FGK45.5)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	FGK45.5
<b>Application :</b>	Functional Assay,FACS,IF
<b>Reactivity :</b>	Mouse
<b>Gene ID :</b>	21939
<b>Uniprot ID :</b>	P27512
<b>Alternative Name :</b>	B cell surface antigen CD40, CD40 type II isoform, p50, Bp50, CD40L receptor, CDW40, TRAP, IMD3, IGM, Tnfrsf5, HIGM1, GP39, T-BAM
<b>Isotype :</b>	Rat IgG2a, kappa
<b>Immunogen Information :</b>	Purified recombinant Mouse CD40 fusion protein

#### Description

Upon binding to its ligand CD154, CD40 acts as a costimulatory molecule for the activation of B cells, dendritic cells, monocytes, and other APCs. CD40 plays roles in B cell activation, differentiation, proliferation and Ig isotype switching as well as dendritic cell maturation. FGK4.5 can be used for blocking of CD40/CD154 interaction and for in vitro and in vivo activation of CD40 expressing APCs. This MAb is shown to indirectly activate natural killer (NK) cells, producing significant antitumor and anti-metastatic effects. Effective in boosting immune responses against infectious agents and can potentially be used to treat chronic autoimmune inflammatory processes.

#### Product Info

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
<b>Storage condition :</b>	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

#### Application Note

Functional Studies (Order Antibody without BSA & Azide); Flow Cytometry (0.5-1ug/million cells in 0.1ml); Immunofluorescence (1-2ug/ml);