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

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

Amount :	20 µg / 100 µg
Content :	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.
Storage condition :	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);

For Research Use Only. Not for use in diagnostic/therapeutics procedures.