CD40, Mouse Antibody

Rat Monoclonal Antibody [Clone FGK45.5]

Catalog No	Format	Size
RTM1-2005-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
RTM1-2005-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
RTM1-2005-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

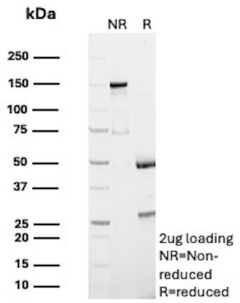
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

Product Details

Clone	FGK45.5
Immunogen	Purified recombinant Mouse CD40 fusion protein
Host	Rat
Clonality	Monoclonal
Isotype / Light Chain	IgG2a / Kappa
Mol. Weight of Antigen	48kDa
Cellular Localization	Cell membrane, Secreted
Species Reactivity	Mouse
Positive Control	MPBMC's. Spleen, Thymus or Lymph Node.

**Optimal dilution for a specific application should be determined.*

Product Images for CD40, Mouse Antibody



SDS-PAGE Analysis of Purified CD40 Rat Monoclonal Antibody (FGK45.5).
Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

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.

Supplied As

200ug/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 and Stability

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. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.