

CD40 Antibody [clone FGK45.5] (V8350)

Catalog No.	Formulation	Size
V8350-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8350-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8350SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

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Availability	1-3 business days
Species Reactivity	Mouse
Format	Purified
Host	Rat
Clonality	Monoclonal (rat origin)
Isotype	Rat IgG2a, kappa
Clone Name	FGK45.5
Purity	Protein G affinity chromatography
UniProt	P27512
Applications	Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-3ug/ml
Limitations	This CD40 antibody is available for research use only.



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.

Application Notes

Optimal dilution of the CD40 antibody should be determined by the researcher.

Immunogen

Purified recombinant Mouse CD40 fusion protein was used as the immunogen for the CD40 antibody.

Storage

Store the CD40 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).