Product Datasheet

CD40/TNFRSF5 Antibody (5D12) [Allophycocyanin]
NBP2-81104APC

Unit Size: 0.1 ml

Store at 4C in the dark.

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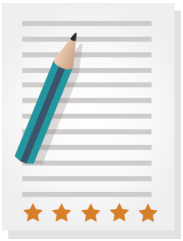

NBP2-81104APC

CD40/TNFRSF5 Antibody (5D12) [Allophycocyanin]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	5D12
Preservative	0.05% Sodium Azide
Isotype	IgG4 Kappa
Conjugate	Allophycocyanin
Purity	Protein A purified
Buffer	PBS

Product Description	
Host	Human
Gene ID	958
Gene Symbol	CD40
Species	Human, Cynomolgus Monkey
Reactivity Notes	Expected to react with Marmoset Monkey.
Specificity/Sensitivity	ch5D12 binds specifically to recombinant and native human CD40/TNFRSF5 ectodomain and has been shown to also bind CD40/TNFRSF5 in cynomolgus and marmoset monkeys. The antibody requires residues within D1 and D1/B2 for binding (Hager et al, 2003) (D1 domain is crucial for CD40L binding). Binding characteristics are very similar between humanized ch5D12 and mu5D12. CD40/TNFRSF5 is a glycoprotein of the TNFR superfamily and is expressed on all mature B cells, dendritic cells, activated monocytes, some endothelial cells and some epithelium including the thymus. CD40/TNFRSF5 binds to CD40L, and this interaction is involved in B-cell activation and proliferation, antigen-presenting cell (APC) activation, initiation of antigen-specific T-cell responses, immunoglobulin production, activation of effector macrophages isotype switching, homotypic adhesion and rescue from apoptosis.
Immunogen	Anti-CD40/TNFRSF5 mAb 5D12, was generated by immunizing mice with sf9 insect cells expressing recombinant human CD40/TNFRSF5 and selected for the ability to bind EBV-immortalized human B cells. The variable regions from mu5D12 were cloned and used to construct chimeric humanized IgG4 5D12.

Product Application Details	
Applications	ELISA, Flow Cytometry, Immunohistochemistry, Immunoprecipitation, Block/Neutralize, Surface Plasmon Resonance
Recommended Dilutions	Flow Cytometry, ELISA, Immunohistochemistry, Immunoprecipitation, Surface Plasmon Resonance, Block/Neutralize
Application Notes	Optimal dilution of this antibody should be experimentally determined.

Images

CD40/TNFRSF5 Antibody (5D12) [Allophycocyanin] [NBP2-81104APC] - Vial of APC conjugated antibody. APC is optimally excited at 650 nm by the Red laser (633 or 640 nm) and has an emission maximum of 660 nm.	

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Products Related to NBP2-81104APC

NBP2-51628-0.05mg	Recombinant Human CD40/TNFRSF5 His Protein
210-TA-005	TNF-alpha [Unconjugated]
DCCD40	CD40/TNFRSF5 [HRP]
M6000B-1	IL-6 [HRP]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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