

# Product Datasheet

## TNF-alpha Antibody (J2D10) [Allophycocyanin] NBP2-47677APC

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-47677APC**

TNF-alpha Antibody (J2D10) [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	J2D10
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Conjugate	Allophycocyanin
Purity	Protein A or G purified
Buffer	PBS
Product Description	
Description	This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.
Host	Mouse
Gene ID	7124
Gene Symbol	TNF
Species	Human, Rat, Mouse (Negative)
Reactivity Notes	Does not react with Mouse.
Specificity/Sensitivity	This antibody neutralizes Hu rTNF $\alpha$ mediated cytotoxicity of L929 cells and inhibits tumor growth in mice. It protects mice against toxicity of HurTNF $\alpha$ . Tumor Necrosis Factor Alpha (TNF-alpha) is a protein secreted by lipopolysaccharide-stimulated macrophages, and causes tumor necrosis when injected into tumor bearing mice. TNF-alpha is believed to mediate pathogenic shock and tissue injury associated with endotoxemia. TNF-alpha exists as a multimer of two, three, or five non-covalently linked units, but shows a single 17kDa band following SDS PAGE under non-reducing conditions. TNF-alpha is closely related to the 25kDa protein Tumor Necrosis Factor beta (lymphotoxin), sharing the same receptors and cellular actions. TNF-alpha causes cytolysis of certain transformed cells, being synergistic with interferon gamma in its cytotoxicity. Although it has little effect on many cultured normal human cells, TNF-alpha appears to be directly toxic to vascular endothelial cells. Other actions of TNF-alpha include stimulating growth of human fibroblasts and other cell lines, activating polymorphonuclear neutrophils and osteoclasts, and induction of interleukin 1, prostaglandin E2 and collagenase production.
Immunogen	Recombinant human TNF-alpha (Uniprot: P01375)
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/Immunofluorescence, CyTOF-ready, Immunofluorescence
Recommended Dilutions	Western Blot, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunofluorescence, CyTOF-ready
Application Notes	Optimal dilution of this antibody should be experimentally determined.



## Images

TNF-alpha Antibody (J2D10) [Allophycocyanin] [NBP2-47677APC] - 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.



Allophycocyanin (APC)

LASER (nm)	FILTER
Red (633,640)	660/10

EXCITATION MAX (nm)	EMISSION MAX (nm)
650	660

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**Products Related to NBP2-47677APC**

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IC002A	Mouse IgG1 Isotype Control (11711) [Allophycocyanin]
NBP2-35076-10ug	Recombinant Human TNF-alpha Protein
D6050	IL-6 [HRP]
210-TA-005	TNF-alpha [Unconjugated]

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**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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