

Anti-TNF alpha Antibody [SPM543] (A251071)

Specifications:

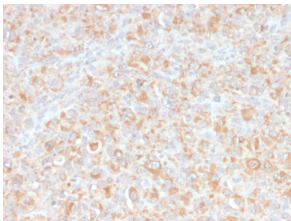
Name:	Anti-TNF alpha Antibody [SPM543]
Description:	Mouse monoclonal [SPM543] antibody to TNF alpha.
Specificity:	Tumor Necrosis Factor Alpha (TNF alpha) is a protein secreted by lipopolysaccharide-stimulated macrophages, and causes tumor necrosis when injected into tumor bearing mice. TNF alpha is believed 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. TNF alpha is currently being evaluated in treatment of certain cancers and AIDS Related Complex.
Applications:	Flow Cytometry, IF, IHC-P
Recommended Dilutions:	Flow Cytometry: 1-2 µg/million cells, IF: 1-2 µg/ml, IHC-P: 1-2 µg/ml
Reactivity:	Human, Mouse, Rat, Rabbit, Feline, Canine, Zebrafish
Immunogen:	A hexadecapeptide corresponding to amino acids 115-130 of human TNF alpha, conjugated to thyroglobulin.
Sequence:	NGVELRDNQLVVPSEG
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	SPM543
Isotype:	IgM
Light Chains:	kappa
Conjugate:	Unconjugated
Concentration:	200 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.

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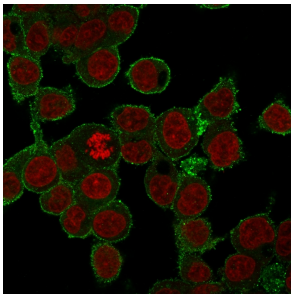
Specifications continued:

Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
General Notes:	This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-TNF alpha Antibody [SPM543] - BSA and Azide free (A254348).
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

Images:



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human histiocytoma using Anti-TNF alpha Antibody [SPM543].



Immunofluorescent analysis of HepG2 cells stained with Anti-TNF alpha Antibody [SPM543] followed by Goat Anti-Mouse IgG (CF® 488) (Green). Counterstain is RedDot.