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36-1751: Monoclonal Antibody to TNF-alpha (Tumor Necrosis Factor alpha)(Clone: TNF706)

Clone Name: Monoclonal
Clone Name: TNF706
Application: FACS,IF,IHC

Reactivity: Human, Mouse, Rat

Gene : TNF
Gene ID : 7124
Uniprot ID : P01375
Format : Purified

Alternative Name: TNF,TNFA,TNFSF2
Isotype: Mouse IgM, kappa

Immunogen Information: Recombinant N-terminal fragment of human TNF-?

Description

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.

Product Info

Amount : 100 μg

Purification: Affinity Chromatography

Content: 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

toxic.

Storage condition : Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

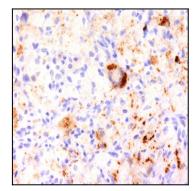
Application Note

Flow Cytometry (0.5-1ug/million cells); Immunofluorescence (1-2ug/ml); ,Immunohistochemistry (Formalin-paraffin) (2-4ug/ml for 30 min at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris Buffer with 1mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes),

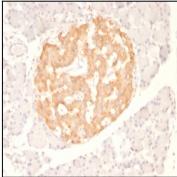


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Formalin-fixed, paraffin-embedded human Erdheim Chester disease (also known as polyostotic sclerosing histiocytosis) stained with TNF alpha Monoclonal Antibody (TNF706).



Formalin-fixed, paraffin-embedded Rat Pancreas stained with TNF alpha Monoclonal Antibody (TNF706)