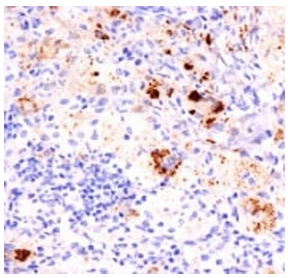
TNF-alpha Antibody Cocktail [clone TNF706 + P/T2] (V2904)

Catalog No.	Formulation	Size
V2904-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2904-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2904SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2904IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgM, kappa
Clone Name	TNF706 + P/T2
Purity	PEG precipitation
UniProt	P01375
Localization	Cytoplasmic and extracellular (secreted)
Applications	Immunohistochemistry (FFPE): 2-4ug/ml for 30 min at RT
Limitations	This TNF-alpha antibody cocktail is available for research use only.



IHC: Formalin-fixed, paraffin-embedded human Erdheim Chester disease (also known as polyostotic sclerosing histiocytosis) stained with TNF alpha antibody (TNF706 + P/T2).

Description

TNF alpha is a protein secreted by lipopolysaccharide-stimulated macrophages, and causes tumor necrosis when injected into tumor bearing mice. 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 causes cytolysis of certain transformed cells. 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.

Application Notes

Optimal dilution of the TNF-alpha antibody cocktail should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris buffer with 1mM EDTA, pH 9, for 10-20 min followed by cooling at RT for 20 min.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

An N-terminal recombinant protein fragment (TNF706) and amino acids 115-130 (NGVELRDNQLVVPSEG) were used as the immunogen for the TNF-alpha antibody cocktail.

Storage

Store the TNF-alpha antibody cocktail at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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