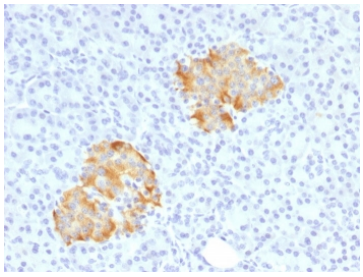
TNF alpha Antibody (V8119)

Catalog No.	Formulation	Size
V8119-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8119-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8119SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Protein A affinity chromatography
UniProt	P01375
Localization	Cytoplasmic, secreted
Applications	Immunohistochemistry (FFPE): 4-8ug/ml
Limitations	This TNF alpha antibody is available for research use only.



IHC staining of FFPE human pancreas with TNF alpha antibody. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

This antibody recognizes a human 17-26kDa protein, which is identified as cytokine TNF-alpha (Tumor Necrosis Factor-alpha). TNF-alpha can be expressed as a 17kDa free molecule, or as a 26kDa membrane protein. TNF-alpha is a protein

secreted by lipopolysaccharide-stimulated macrophages, and causes tumor necrosis when injected into tumor bearing mice. 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.

Application Notes

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

Immunogen

A recombinant full-length human protein was used as the immunogen for this TNF alpha antibody.

Storage

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

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