

Datasheet for ABIN305730
anti-TNF alpha antibody



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2 Images

Overview

Quantity:	50 µg
Target:	TNF alpha
Reactivity:	Human, Mouse, Monkey, Guinea Pig
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TNF alpha antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Brand:	IHC-plus™
Immunogen:	Human TNFa.
Clone:	52B83
Isotype:	IgG1
Specificity:	Recognizes human native and recombinant TNF-alpha. Reacts with soluble (17kD) and membrane (26kD) human TNF-alpha. Does not cross-react with TNF-beta, lymphotoxin and receptor bound TNF-alpha.
Purification:	Purified

Target Details

Target:	TNF alpha
Alternative Name:	TNF Alpha (TNF alpha Products)
Background:	Name/Gene ID: TNF Family: TNF Synonyms: TNF, APC1 protein, Cachectin, DIF, TNF Alpha, Tumor necrosis factor-alpha, TNF-alpha, TNF-a, TNFA, Tumor necrosis factor, TNF, macrophage-derived, TNF, monocyte-derived, TNFSF2
Gene ID:	7124
UniProt:	P01375
Pathways:	NF-kappaB Signaling , Apoptosis , Caspase Cascade in Apoptosis , TLR Signaling , Cellular Response to Molecule of Bacterial Origin , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Production of Molecular Mediator of Immune Response , Positive Regulation of Endopeptidase Activity , Hepatitis C , Protein targeting to Nucleus , Inflammasome

Application Details

Application Notes:	Approved: ELISA, Flo, IHC, IHC-Fr, IHC-P (2.5 µg/mL), WB (1:5) Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for this antibody was determined to be 2.5 µg/mL. Non-specific background staining is observed in connective tissues.
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only

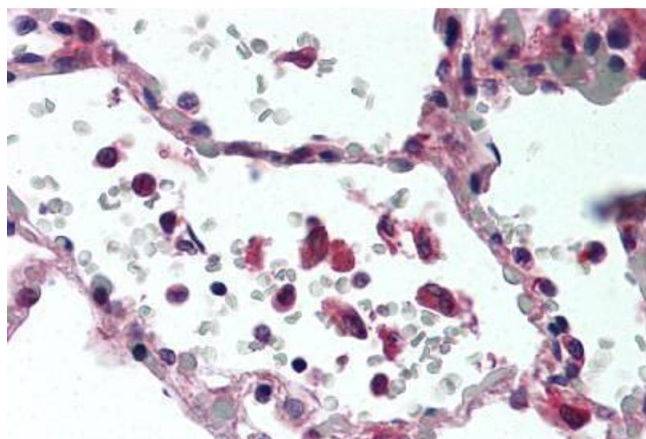
Handling

Format:	Liquid
Concentration:	Lot specific

Handling

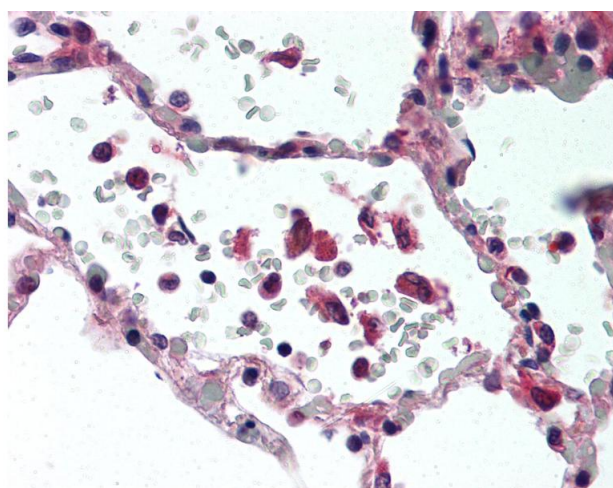
Buffer:	PBS, 0.02 % sodium azide, 0.1 % BSA.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	4 °C, -20 °C
Storage Comment:	Short term: 4°C. Long term: Store at -20°C. Avoid freeze-thaw cycles.

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Human Lung (formalin-fixed, paraffin-embedded) stained with TNF antibody ABIN305730 at 2.5 ug/ml followed by biotinylated anti-mouse IgG secondary antibody ABIN481714, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry

Image 2. Anti-TNF Alpha antibody IHC of human lung. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.