

Product Datasheet

TNF-alpha Antibody (52B83) NB600-1422

Unit Size: 0.05 mg

Store at 4C.

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NB600-1422

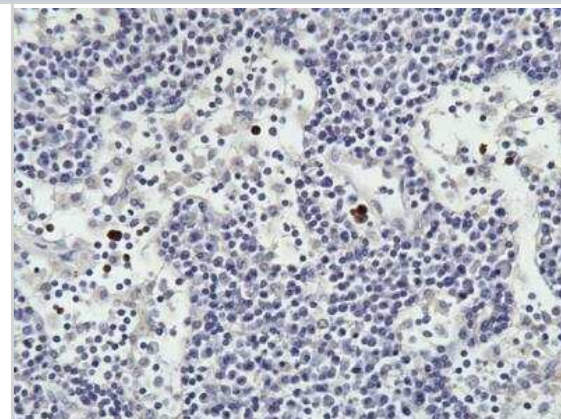
TNF-alpha Antibody (52B83)

Product Information	
Unit Size	0.05 mg
Concentration	0.1 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	52B83
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS, 0.1% BSA
Product Description	
Host	Mouse
Gene ID	7124
Gene Symbol	TNF
Species	Human, Mouse, Guinea Pig, Monkey, Rabbit, Sheep
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 27390101). Sheep reactivity reported from a verified customer review. Rabbit reactivity reported in scientific literature (PMID: 28114570). Expected cross reactivity based on sequence identity: Guinea pig, Rhesus Monkey.
Specificity/Sensitivity	This detects both natural and recombinant TNF α . It does not cross-react with TNF beta or lymphotoxin. Non-specific background staining is observed in connective tissues.
Immunogen	The monoclonal antibody 52B83 reacts with tumor necrosis factor alpha (TNF-alpha).
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunoassay, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:10-1:100, Flow Cytometry 1:10-1:1000, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500, Immunoassay
Application Notes	TNF-alpha is normally secreted as a homotrimer with a molecular mass of 52 kDa. Monomeric TNF-alpha (17.4 kDa) is not biologically active.



Images

Immunohistochemistry-Paraffin: TNF-alpha Antibody (52B83) [NB600-1422] - TNF alpha in sheep tonsil FFPE. IHC-P image submitted by a verified customer review.



Publications

Zhou C, Lei F, Mittermaier M et al. Opposing Roles of Blood-Borne Monocytes and Tissue-Resident Macrophages in Limbal Stem Cell Damage after Ocular Injury Cells 2023-08-18 [PMID: 37626899] (Immunohistochemistry)

Gadanec LK, Andersson U, Apostolopoulos V, Zulli A Glycyrrhizic Acid Inhibits High-Mobility Group Box-1 and Homocysteine-Induced Vascular Dysfunction Nutrients 2023-07-18 [PMID: 37513606]

Shu Z, Ai Y, Liu X et al. Astragalus polysaccharide reduces the incidence of postoperative urethral fistula in the rabbit model of hypospadias Research Square 2023-01-27

Mardjiati S, Wulan M, Laswati H, Hadi U, et al. Physical Exercise in Clinical Stage II human Immunodeficiency Virus Infection Patients' Increases skeletal Muscle Mass Through the Increasing of Myogenic Regulatory Factors Expression Indian Journal of Forensic Medicine & Toxicology 2021-09-08

Singh J, Thachil T, Eapen M Et Al. Immunohistochemical investigation of cytokine expression levels as biomarkers in transrectal ultrasound-guided needle biopsy specimens of prostate adenocarcinoma Molecular and Clinical Oncology 2021-07-16 [PMID: 34405051] (IHC-P)

Wang Z, Zibrila AI, Liu S et al. Acetylcholine Ameliorated TNF-alpha-induced Primary Trophoblast Malfunction via Muscarinic Receptors Biol. Reprod. 2020-09-09 [PMID: 32902620]

Kishore D, Gopal A, Gambhir I, Diwaker A Aging immunity, immunosenescence, or inflamm-aging: A comparative study of cytokines J Med Soc 2019-10-14 (ELISA, Human)

Paschalis EI, Lei F, Zhou C et al. The Role of Microglia and Peripheral Monocytes in Retinal Damage Following Corneal Chemical Injury. Am J Pathol 2018-04-06 [PMID: 29630857] (IF/IHC)

Details:

This citation used the FITC version of this antibody.

Cao Q, Zhang J, Gao L et al. Dickkopf-3 upregulation mediates the cardioprotective effects of curcumin on chronic heart failure. Mol Med Rep 2018-05-01 [PMID: 29568962] (IF/IHC, Rabbit)

Zhou C, Robert MC, Kapoulea V et al. Sustained Subconjunctival Delivery of Infliximab Protects the Cornea and Retina Following Alkali Burn to the Eye. Invest. Ophthalmol. Vis. Sci. 2017-01-01 [PMID: 28114570] (IF/IHC, Rabbit)

Details:

This citation used the FITC version of this antibody.

Li J, Das JR, Tang P et al. Transmembrane TNF-alpha Facilitates HIV-1 Infection of Podocytes Cultured from Children with HIV-Associated Nephropathy. J. Am. Soc. Nephrol. 2016-11-03 [PMID: 27811066]

Azeez IA, Olopade F, Laperchia C et al. Regional Myelin and Axon Damage and Neuroinflammation in the Adult Mouse Brain After Long-Term Postnatal Vanadium Exposure J. Neuropathol. Exp. Neurol. 2016-07-06 [PMID: 27390101] (IF/IHC, Mouse)



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Products Related to NB600-1422

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-35076-10ug	Recombinant Human TNF-alpha Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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