

Product Datasheet

TNF-alpha Antibody (52B83) NB600-1422

Unit Size: 0.05 mg

Store at 4C.

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NB600-1422

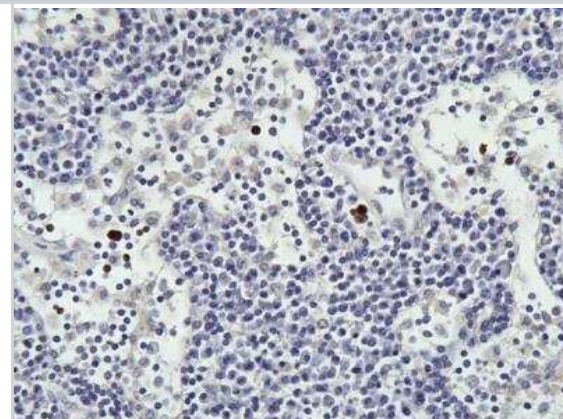
TNF-alpha Antibody (52B83)

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	
Description	Novus Biologicals Mouse TNF-alpha Antibody (52B83) (NB600-1422) is a monoclonal antibody validated for use in IHC, WB, ELISA and Flow. Anti-TNF-alpha Antibody: Cited in 9 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	7124
Gene Symbol	TNF
Species	Human, Mouse, Guinea Pig, Goat, Monkey, Rabbit, Sheep
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 27390101). Sheep and goat 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, Immunohistochemistry-Paraffin, Flow Cytometry, Immunoassay, Immunohistochemistry, Immunohistochemistry-Frozen
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.

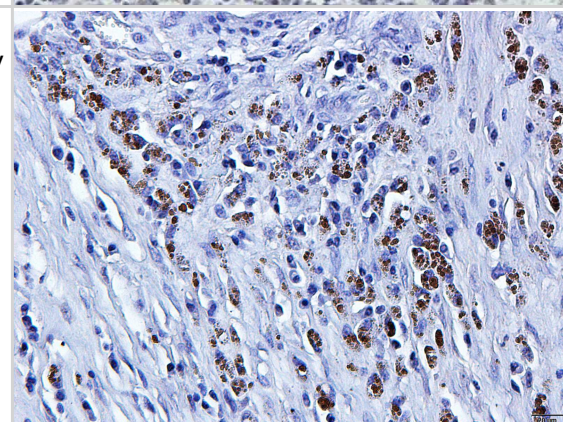


Images

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



The f histological goat bone fragments were incubated with the primary antibody TGF-beta NBP2-45137 overnight. Subsequently, the secondary antibody goat anti-mouse IgG - NB7539 was applied and incubated for 1 hour. Image from 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

Mardjati 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

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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