# **Product Datasheet**

# TNF-alpha Antibody - Azide Free NB600-587

Unit Size: 0.2 ml

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.





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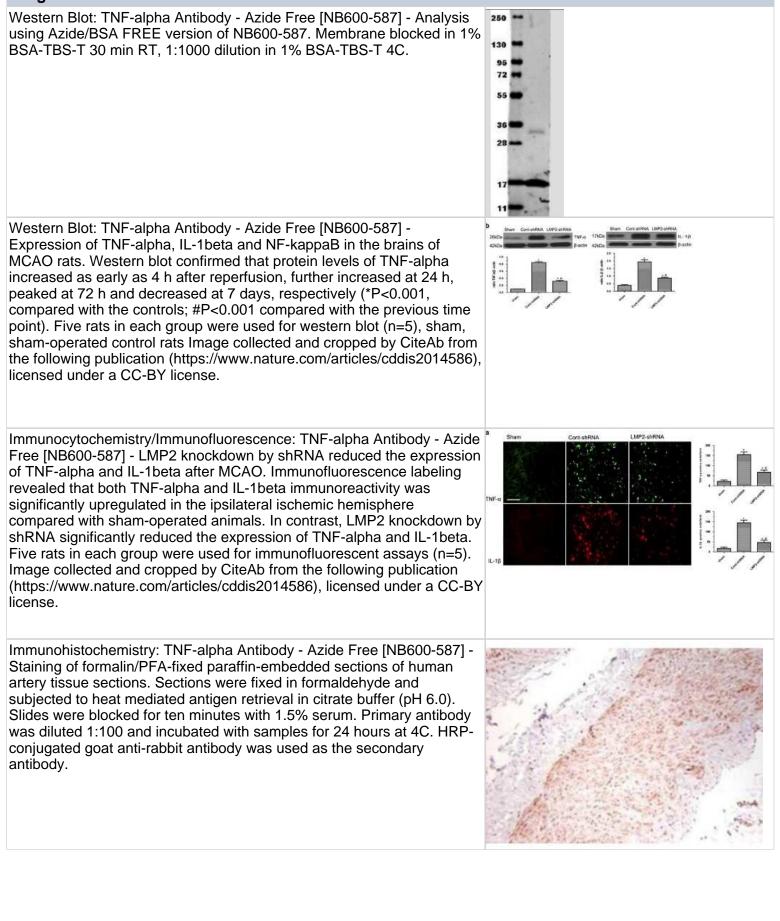
#### NB600-587

TNF-alpha Antibody - Azide Free

Product Information	
Unit Size	0.2 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	Serum
Purity	Whole Antiserum
Buffer	Antiserum
Product Description	
Description	Store vial at -20C prior to opening. Aliquot contents and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.
Host	Rabbit
Gene ID	7124
Gene Symbol	TNF
Species	Human, Mouse, Rat, Chicken, Primate
Reactivity Notes	Rat reactivity reported in scientific literature (PMID: 25894537), Mouse reactivity reported in scientific literature (PMID:22567116). Chicken reactivity reported in scientific literature (PMID: 30298003).
Specificity/Sensitivity	The antiserum is directed against mature 17,000 MW human TNFa and is useful in determining its presence in various assays. In general, this antibody also detects primate TNFa in the same formats using similar dilutions. The antibody does not recognize human TNFb (lymphotoxin). This antiserum will recognize the cell-bound precursor of TNFa as a 26,000 protein in immunoblots, particularly in denatured samples. This antibody is also useful for neutralization of human and primate TNFa activity in bioassays. It does not neutralize the biological activity of lymphotoxin. For neutralization, it is recommended to incubate the sample with a 1:200 dilution of the antibody for at least 4 hours before being tested. A control of similarly diluted normal rabbit IgG is recommended.
Immunogen	The whole rabbit serum was prepared by repeated immunizations with recombinant human TNF-alpha produced in E.coli. (Uniprot: P01375)
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:2000, ELISA 1:1000-1:5000, Immunohistochemistry 1:100- 1:500, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:100-1:500
Application Notes	This product has been tested for use in immunohistochemistry, immunofluorescence, and immunoblotting. It recognizes the 17,000 MW TNFalpha. Reactivity in other immunoassays is unknown.

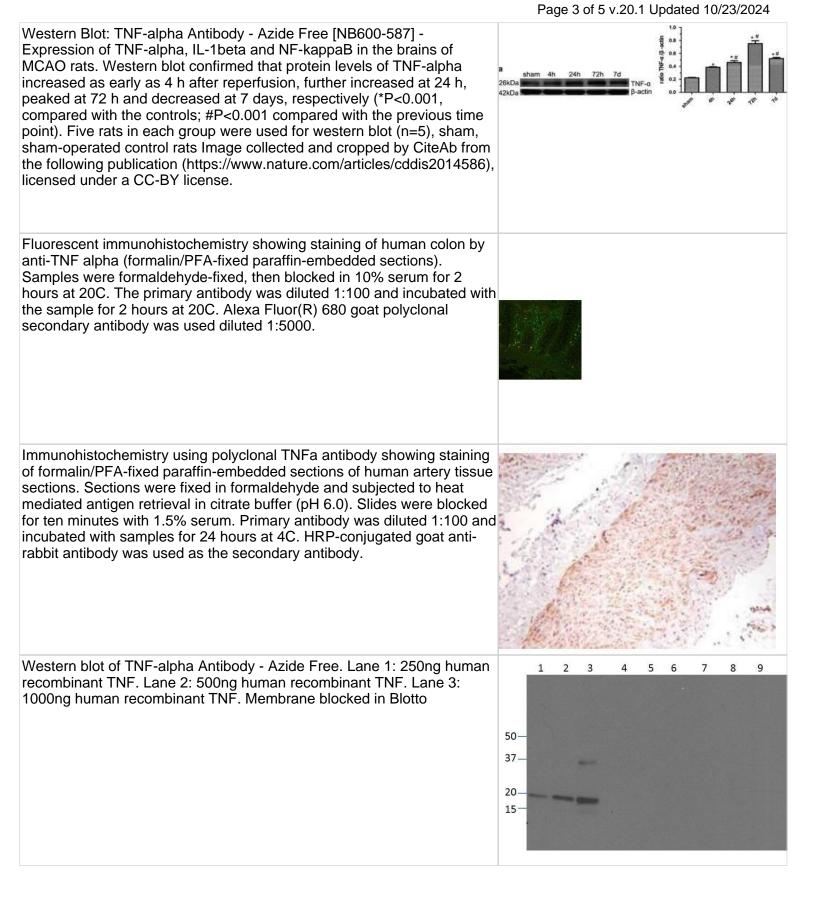


#### Images



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#### **Publications**

Ya⊡Li Zhang, Ya□Lei Wang, Ke Yan, Haiyan Li, Xinyu Zhang, Julien Milon Essola, Chengcheng Ding, Kexin Chang, Guangchao Qing, Fuxue Zhang, Yan Tan, Tiantian Peng, Xu Wang, Miao Jiang, Xing□Jie Liang, Qian Hua Traditional Chinese Medicine Formulae QY305 Reducing Cutaneous Adverse Reaction and Diarrhea by its Nanostructure Advanced Science 2023-12-03 [PMID: 38044276]

T. Ollewagen, R.M. Benecke, C. Smith High species homology potentiates quantitative inflammation profiling in zebrafish using immunofluorescence Heliyon 2023-12-13 [PMID: 38187273]

Anna Flavia Cantone, Chiara Burgaletto, Giulia Di Benedetto, Anna Pannaccione, Agnese Secondo, Carlo Maria Bellanca, Egle Augello, Antonio Munafò, Paola Tarro, Renato Bernardini, Giuseppina Cantarella Taming Microglia in Alzheimer's Disease: Exploring Potential Implications of Choline Alphoscerate via α7 nAChR Modulation. Cells 2024-02-26 [PMID: 38391922]

Omar AE, Al-Khalaifah HS, Osman A et al. Modulating the Growth, Antioxidant Activity, and Immunoexpression of Proinflammatory Cytokines and Apoptotic Proteins in Broiler Chickens by Adding Dietary Spirulina platensis Phycocyanin Antioxidants (Basel) 2022-05-19 [PMID: 35624855] (Block/Neutralize)

Albadawy R, Hasanin AH, Agwa SHA et al. Rosavin Ameliorates Hepatic Inflammation and Fibrosis in the NASH Rat Model via Targeting Hepatic Cell Death International Journal of Molecular Sciences 2022-09-05 [PMID: 36077546] (Immunohistochemistry)

Conti F, Romano GL, Eandi CM et al. Brimonidine is Neuroprotective in Animal Paradigm of Retinal Ganglion Cell Damage Frontiers in Pharmacology 2021-07-21 [PMID: 34366858] (Western Blot)

Corsetti G, Romano C, Pasini E et al. Essential Amino Acids-Rich Diet Increases Cardiomyocytes Protection in Doxorubicin-Treated Mice Nutrients 2023-05-12 [PMID: 37242170] (IHC, Mouse)

Kaya D, Micili SC, Kizmazoglu C et al. Allopurinol attenuates repeated traumatic brain injury in old rats: A preliminary report Experimental neurology 2022-08-02 [PMID: 35931122] (IHC-P, Rat)

Gomez-Lopez N, Romero R, Panaitescu B et al. Zinc gluconate-loaded chitosan nanoparticles reduce severity of collagen-induced arthritis in Wistar rats ACS Biomater Sci Eng 2021-01-06 [PMID: 33405580]

Gutziet O, Iluz R, Ben Asher H et al. Maternal N-Acetyl-Cysteine Prevents Neonatal Hypoxia-Induced Brain Injury in a Rat Model International journal of molecular sciences 2021-12-20 [PMID: 34948425] (WB, Rat)

Ollewagen T, Powrie YSL, Myburgh KH, Smith C Unresolved intramuscular inflammation, not diminished skeletal muscle regenerative capacity, is at the root of rheumatoid cachexia: insights from a rat CIA model Physiological reports 2021-11-01 [PMID: 34806343] (WB, Rat)

Ongoz Dede F, Bozkurt Dogan S, Balli U Et al. The effect of ellagic acid on the repair process of periodontal defects related to experimental periodontitis in rats Journal of applied oral science : revista FOB 2021-09-27 [PMID: 34586188] (IF/IHC, Rat)

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## Novus Biologicals USA

10730 E. Briarwood Avenue Centennial, CO 80112 USA Phone: 303.730.1950 Toll Free: 1.888.506.6887 Fax: 303.730.1966 nb-customerservice@bio-techne.com

#### **Bio-Techne Canada**

21 Canmotor Ave Toronto, ON M8Z 4E6 Canada Phone: 905.827.6400 Toll Free: 855.668.8722 Fax: 905.827.6402 canada.inquires@bio-techne.com

## **Bio-Techne Ltd**

19 Barton Lane Abingdon Science Park Abingdon, OX14 3NB, United Kingdom Phone: (44) (0) 1235 529449 Free Phone: 0800 37 34 15 Fax: (44) (0) 1235 533420 info.EMEA@bio-techne.com

## **General Contact Information**

www.novusbio.com Technical Support: nb-technical@biotechne.com Orders: nb-customerservice@bio-techne.com General: novus@novusbio.com

#### Products Related to NB600-587

Goat anti-Rabbit IgG Secondary Antibody [HRP]
Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
Recombinant Human TNF-alpha Protein
IL-6 [HRP]

#### 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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