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## TNF alpha Rabbit pAb

Catalog Number: bs-2150R

Target Protein: TNF alpha

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500)

Reactivity: Human (predicted:Mouse, Pig, Dog, Horse)

Predicted MW: 17/26 kDa

Entrez Gene: 7124

Swiss Prot: P01375

Source: KLH conjugated synthetic peptide derived from human TNF-alpha: 181-235/233.

Purification: affinity purified by Protein A

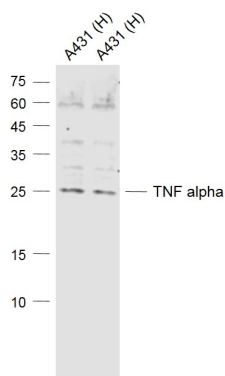
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

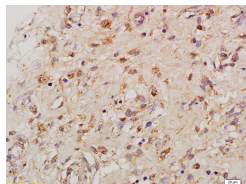
**Background:** This gene encodes a multifunctional proinflammatory cytokine that belongs to the tumor necrosis factor (TNF) superfamily. This cytokine is mainly secreted by macrophages. It can bind to, and thus functions through its receptors TNFRSF1A/TNFR1 and TNFRSF1B/TNFR. This cytokine is involved in the regulation of a wide spectrum of biological processes including cell proliferation, differentiation, apoptosis, lipid metabolism, and coagulation. This cytokine has been implicated in a variety of diseases, including autoimmune diseases, insulin resistance, psoriasis, rheumatoid arthritis ankylosing spondylitis, tuberculosis, autosomal dominant polycystic kidney disease, and cancer. Mutations in this gene affect susceptibility to cerebral malaria, septic shock, and Alzheimer disease. Knockout studies in mice also suggested the neuroprotective function of this cytokine. [provided by RefSeq, Aug 2020]

### VALIDATION IMAGES

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Sample: Lane 1: A431 (Human) Cell Lysate at 30 ug Lane 2: A431 (Human) Cell Lysate at 30 ug Primary: Anti-TNF alpha (bs-2150R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 26/17 kD Observed band size: 26 kD



Tissue/cell: human pneumonia tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-TNF-alpha Polyclonal Antibody, Unconjugated(bs-2150R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

## PRODUCT SPECIFIC PUBLICATIONS

[IF=10] Chaoqin Shu. et al. 3D Printing of Cobalt-Incorporated Chloroapatite Bioceramic Composite Scaffolds with Antioxidative Activity for Enhanced Osteochondral Regeneration. ADV HEALTHC MATER. 2024 Feb;;2303217 IF ; Mouse . 38363057

[IF=8.2] Jin Xie. et al. Hyaluronic acid/inulin-based nanocrystals with an optimized ratio of indigo and indirubin for combined ulcerative colitis therapy via immune and intestinal flora regulation. INT J BIOL MACROMOL. 2023 Dec;252:126502 IF ; MOUSE . 37625742

[IF=8.2] Chengmin Feng. et al. Preparation of healing-promoting and fibrosis-inhibiting asymmetric poly(ethylene glycol-b-L-phenylalanine)/cRGD-modified hyaluronate sponges and their applications in hemorrhage and nasal mucosa repair. INT J BIOL MACROMOL. 2024 Feb;258:128911 IHC ; Rabbit . 38141717

[IF=6.832] Yanhong Li. et al. Therapeutic potential of human umbilical cord mesenchymal stem cells on aortic atherosclerotic plaque in a high-fat diet rabbit model. Stem Cell Res Ther. 2021 Dec;12(1):1-14 IHC ; Rabbit . 34266502

[IF=6.38] Zhang, Jing-Jing, et al. " "Proof-of-principle" concept for ultrasensitive detection of cytokines based on the electrically heated carbon paste electrode." Chemical Communications 47.23 (2011): 6551-6553. Other ; ="" . 21547293