

---

## TNF alpha(1F6) Mouse mAb

Catalog Number: bsm-0387M

Target Protein: TNF alpha(1F6)

Concentration: 1mg/ml

Form: Size : 50ul/100ul/200ul

Liquid

Size : 200ug (PBS only)

Lyophilized

Note: Centrifuge tubes before opening. Reconstitute the lyophilized product in distilled water. Optimal concentration should be determined by the end user.

Host: Mouse

Clonality: Monoclonal

Clone No.: 1F6

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human

Predicted MW: 17/26 kDa

Entrez Gene: 7124

Swiss Prot: P01375

Source: Recombinant human TNF alpha protein: 77-233/233.

Purification: affinity purified by Protein G

Storage: Size : 50ul/100ul/200ul

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

Size : 200ug (PBS only)

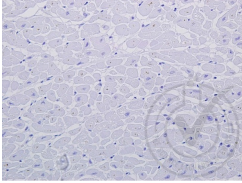
0.01M PBS

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



Images provided by the Independent Validation Program (badge number 029730) Formalin-fixed and paraffin embedded human heart tissue labeled with Mouse Anti-TNF-alpha(1F6) Monoclonal Antibody (bsm-0387M) at 1:250 overnight at room temperature followed by conjugation to secondary antibody. No staining was observed in either positive or negative control tissues.

## PRODUCT SPECIFIC PUBLICATIONS

[IF=20.722] Meng Lin. et al. CRISPR-based in situ engineering tumor cells to reprogram macrophages for effective cancer immunotherapy. Nano Today. 2022 Feb;42:101359 IF ; Mouse . 10.1016/j.nantod.2021.101359

[IF=14.593] Ya-nan Fu. et al. Spatiotemporally dynamic therapy with shape-adaptive drug-gel for the improvement of tissue regeneration with ordered structure. Bioact Mater. 2021 Jun;; IHC ; Rat . 10.1016/j.bioactmat.2021.06.015

[IF=3.532] Quan Zhang. et al. Intra-articular injection of human umbilical cord mesenchymal stem cells ameliorates monosodium iodoacetate-induced osteoarthritis in rats by inhibiting cartilage degradation and inflammation. Bone Joint Res. 2021 Mar; 10(3): 226–236 IHC ; Rat . 33739851

[IF=3.17] Zhang, Jia - xiang, et al. "Complement C5a–C5aR interaction enhances MAPK signaling pathway activities to mediate renal injury in trichloroethylene sensitized BALB/c mice." Journal of Applied Toxicology (2015). IHC ; ="Mouse" . 26095957

[IF=1.813] Zhao Hong. et al. Study on Network Pharmacological Analysis and Preliminary Validation to Understand the Mechanisms of Plantaginis Semen in Treatment of Gouty Nephropathy. Evid-Based Compl Alt. 2020;2020:8861110 IHC ; Rat . 33312224