bsm-33207M **[Primary Antibody]**

TNF alpha Mouse mAb

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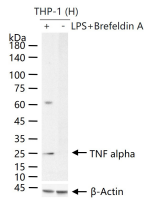
DATASHEET

Host: Mouse
Isotype: IgG1
Clonality: Monoclonal
CloneNo.: 3A4
GeneID: 7124
SWISS: P01375
Target: TNF alpha
Purification: affinity purified by Protein G
Concentration: 1mg/ml
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/TNFBR. 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]

Applications: **WB** (1:500-2000)
Reactivity: Human
Predicted MW.: 17/26 kDa
Subcellular Location: Secreted ,Cell membrane

VALIDATION IMAGES



THP-1 (H) cells were treated with or without LPS (100 ng/ml) for 16 h and Brefeldin A (5 μg/ml) for 4 h, 25 μg total protein per lane of cell lysates (see on figure) probed with TNF alpha monoclonal antibody, unconjugated (bsm-33207M) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

SELECTED CITATIONS

- **[IF=32.086]** Yingying Jin. et al. A Novel “Inside-Out” Intraocular Nanomedicine Delivery Mode for Nanomaterials Biological Effects Enhanced Choroidal Neovascularization Occlusion and Microenvironment Regulation. ADV MATER. 2022 Dec;:2209690 IF ;Mouse. 36527723
- **[IF=15.8]** Xuezhe Liu. et al. Nonswellable Hydrogel Patch with Tissue-Mimetic Mechanical Characteristics Remodeling In

Vivo Microenvironment for Effective Adhesion Prevention. ACS NANO. 2024;XXXX(XXX):XXX-XXX IF ;Mouse,Rat. 38932673

- **[IF=14.224]** Biqi Han. et al. Effects of thiacloprid exposure on microbiota–gut–liver axis: Multiomics mechanistic analysis in Japanese quails. J HAZARD MATER. 2023 Jan;442:130082 WB ;Quail. 36209609
- **[IF=12.153]** Hong Jihye. et al. Senescent cancer cell-derived nanovesicle as a personalized therapeutic cancer vaccine. EXP MOL MED. 2023 Mar;:1-14 WB ;Mouse. 36854774
- **[IF=10.7]** Jiayi Li. et al. Chronic arsenic exposure-provoked biotoxicity involved in liver-microbiota-gut axis disruption in chickens based on multi-omics technologies. J ADV RES. 2024 Jan;: WB ;Chicken. 38237767