

bs-2081R**[Primary Antibody]****BioSS**
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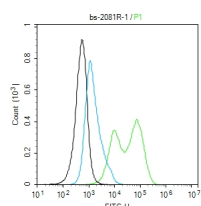
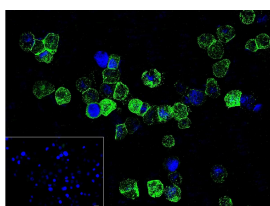
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TNF alpha Rabbit pAb**— DATASHEET —**

Host: Rabbit Clonality: Polyclonal GeneID: 7124 Target: TNF alpha Immunogen: KLH conjugated synthetic peptide derived from human TNF-alpha: 181-235/235. < Extracellular > Purification: affinity purified by Protein A Concentration: 1mg/ml 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]	Isotype: IgG SWISS: P01375	Applications: Flow-Cyt (1ug/Test) ICC/IF (1:100-500) Reactivity: Human Predicted MW.: 17/26 kDa Subcellular Location: Secreted ,Cell membrane
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— VALIDATION IMAGES —

LPS(100 ng/ml, 16 h) and Brefeldin A treated (5 µg/ml, 4 h) THP-1 cells; Antibody incubation with (TNF alpha) polyclonal Antibody, unconjugated (bs-2081R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-BF488) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.

Blank control: THP-1. Primary Antibody (green line): Rabbit Anti-TNF alpha antibody (bs-2081R) Dilution: 1ug/Test; Secondary Antibody: Goat anti-rabbit IgG-BF488 Dilution: 0.5ug/Test. The cells were treated with TPA (80 nM, overnight) and then treated with LPS (1 µg/mL, 18 hr/6 hr) and Brefeldin A (300 ng/mL, last 3 hr of stimulation). The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=11.9]** Xu Chen. et al. Dual-driven selenium Janus single-atom nanomotors for autonomous regulating mitochondrial oxygen imbalance to catalytic therapy of rheumatoid arthritis. REDOX BIOL. 2025 Apr;81:103574 WB ;Mouse. 40043450
- **[IF=10.5]** Jiayi Guo. et al. Injectable hydrogel microsphere-bomb for MRSA-infected chronic osteomyelitis. J CONTROL RELEASE. 2024 Dec;376:337 IHC ;Rat. 39413850
- **[IF=9.58]** Xiaoli Guo. et al. ASK1 signaling regulates phase-specific glial interactions during neuroinflammation. P Natl Acad Sci Usa. 2022 Feb;119(6): IHC ;Mouse. 35101972
- **[IF=9.473]** Xiao-yan He. et al. Cpd-42 Alleviates Acute Kidney Injury via Targeting RIPK3-mediated Necroptosis. BRIT J PHARMACOL. 2023 May;; IF,ICC ;Human, Mouse. 37248964
- **[IF=7.675]** Shaneice K. Nettleford. et al. Selenoprotein W Ameliorates Experimental Colitis and Promotes Intestinal Epithelial Repair. ANTIOXIDANTS-BASEL. 2023 Apr;12(4):850 WB ;Mouse. 37107231