

## Anti-TNF alpha Antibody (4V549)

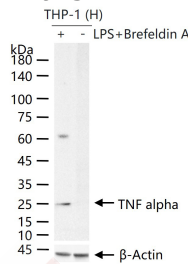
### Product Details

Ig Type:	IgG1
Reactivity:	Human
Molecular Weight:	Theoretical: 17/26 kDa. Actual: 25 kDa.
Clone:	4V549
Purification:	Protein G purified

### Applications

#### Verified Activity:

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 probed with TNF alpha monoclonal antibody, unconjugated (TMAB-01869) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at RT for 60 min.



Application:	WB
Recommended	WB=1:1000-5000

### Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	Recombinant Protein: human TNF alpha 77-233aa
Antigen Species:	Human
Gene ID:	7124
Uniprot ID:	P01375
Synonyms:	TNFATNF;TNFSF1A;TNF α;TNFalpha;APC1 protein;TNF-alpha;TNF-α;TNFSF2;TNF;TNFA; Cachectin;TNFα;DIF
Biology Area:	TNF,Inflammatory mediators,TNF Superfamily,Metabolic disorders,SARS Coronavirus,TNF

### Research 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/TNFR2. This cytokine is involved in the regulation of a wide spectrum of

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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]

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