Anti-TNF alpha Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R016279

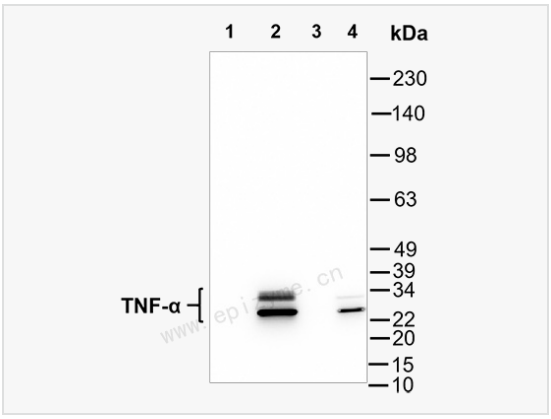
Product Information

Application	WB, ELISA
Reactivity	Human, Mouse
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	10J05T47
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human TNF alpha
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-TNF alpha Rabbit mAb [10J05T47] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	TNFA; TNFSF2; TNF; Tumor necrosis factor; Cachectin; TNF-alpha; Tumor necrosis factor ligand superfamily member 2; TNF-a.
Calculated MW	Calculated MW: 26 kDa; Observed MW: 25, 28 kDa
Uniprot ID	P01375
Gene ID	7124
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.
Cellular Location	Cell membrane; Single-pass type II membrane protein. Tumor necrosis factor, membrane form: Membrane; Single-pass type II membrane protein. Tumor necrosis factor, soluble form: Secreted. C-domain 1: Secreted. C-domain 2: Secreted.

Validation Images



Western Blot - Anti-TNF alpha Rabbit mAb [10J05T47]
All lanes: R016279 at 1:1,000 dilution
Lane 1: THP-1 treated with PMA (100 nM, 24 h) whole cell lysates
Lane 2: THP-1 treated with PMA (100 nM, 24 h), followed by LPS (1 ug/ml, 12 h) and BFA (5 ug/ml, 12 h) whole cell lysates
Lane 3: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates
Lane 4: Raw264.7 treated with LPS (1 ug/ml, 12 h) and BFA (5 ug/ml, 12 h) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 26 kDa
Observed band size: 25, 28 kDa
Developed using the ECL technique (Cat. No. SQ201).