Product datasheet for TA397257S

Tnf Rabbit Polyclonal Antibody
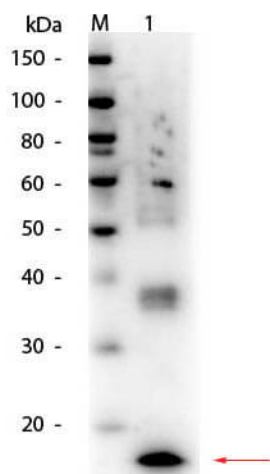
Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	**WB**: 1:500 - 1:2,000 **ELISA**: 1:1,000 - 1:5,000
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	This antibody was produced from whole rabbit serum prepared by repeated immunizations with recombinant mouse TNFα produced in E.coli.
Specificity:	TNF alpha Antibody has been heated to 56°C for 30 minutes. The antibody is directed against mature 17,000 MW mouse TNFα and is useful in determining its presence in various assays. The antibody does not recognize mouse TNFβ (lymphotoxin).
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	1.0 mg/ml - lot specific
Conjugation:	Unconjugated
Storage:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Stability:	Expiration date is one (1) year from date of receipt.
Gene Name:	tumor necrosis factor
Database Link:	Entrez Gene 21926 Mouse P06804

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Background:	TNF alpha Antibody detects TNF-a protein. TNF-a is a cytokine that binds to TNFRSF1A/TNFR1 and TNFRSF1B/TNFBR. It is mainly secreted by macrophages and can induce cell death of certain tumor cell lines. It is a potent pyrogen causing fever by direct action or by stimulation of interleukin-1 secretion and is implicated in the induction of cachexia, Under certain conditions it can stimulate cell proliferation and induce cell differentiation. Anti-TNF-alpha Antibody is ideal for investigators involved in Cell Signaling, Immunology and Signal Transduction research.
Synonyms:	rabbit anti-TNF alpha antibody, rabbit anti-TNFa antibody, rabbit anti-tumor necrosis factor alpha antibody, APC1 antibody, Cachectin antibody, DIF antibody, Differentiation inducing factor antibody, Macrophage cytotoxic factor antibody, MCF antibody, Necrosin antibody, TNF-alpha, Tumor necrosis factor ligand superfamily member 2, TNF-a, TNFA
Note:	This antibody against Mouse TNFα has been tested for use in immunoblotting. This antibody is suitable for ELISA, immunohistochemistry, neutralizations, radioimmunoassay, and immunoprecipitation. It recognizes the 17,000 MW TNFα. Reactivity in other immunoassays is unknown. This antibody will recognize the cell-bound precursor of TNFα as a 26,000 protein in immunoblots, particularly in denatured samples. This antibody is also useful for neutralization of mouse activity in bioassays. It does not neutralize the biological activity of lymphotoxin. For neutralization, it is recommended to incubate the sample with a 1:200 dilution of the antibody for at least 4 hours before being tested. A control of similarly diluted normal rabbit IgG is recommended.

Product images:

Western Blot of Mouse TNFα Antibody. Lane 1: Mouse TNFα. Load: 50 ng per lane. Primary antibody: Mouse TNFα antibody at 1:1,000 overnight at 4°C. Secondary antibody: HRP rabbit secondary antibody (p/n 611-103-122) at 1:40,000 for 30 min at RT. Block: (p/n MB-070) for 30 min at RT. Predicted/Observed size: 17 kDa, 17 kDa for Mouse TNFα.