

For Research Use Only

TNF-alpha Polyclonal antibody

Catalog Number: 26162-1-AP **1 Publications**



Basic Information

Catalog Number: 26162-1-AP	GenBank Accession Number: NM-013693	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 21926	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	Full Name: tumor necrosis factor	
Isotype: IgG	Observed MW: 17 kDa	
Immunogen Catalog Number: AG24089		

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : RAW 264.7 cells,
Cited Applications: WB	
Species Specificity: mouse	
Cited Species: mouse	

Background Information

TNF, as also known as TNF-alpha, or cachectin, is a multifunctional proinflammatory cytokine that belongs to the tumor necrosis factor (TNF) superfamily. It is expressed as a 26 kDa membrane bound protein and is then cleaved by TNF-alpha converting enzyme (TACE) to release the soluble 17 kDa monomer, which forms homotrimers in circulation. It is produced chiefly by activated macrophages, although it can be produced by many other cell types such as CD4+ lymphocytes, NK cells, neutrophils, mast cells, eosinophils, and neurons. 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. Mouse and human TNF-alpha share 79% amino acid sequence identity. Unlike human TNF-alpha, the mouse form is glycosylated. In mouse deficiency of this gene is associated with defects in response to bacterial infection, with defects in forming organized follicular dendritic cell networks and germinal centers, and with a lack of primary B cell follicles.

Notable Publications

Author	Pubmed ID	Journal	Application
Ning Liu	37812887	Biomed Pharmacother	WB

Storage

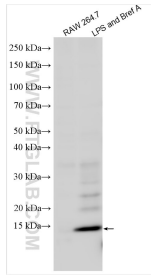
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Untreated, LPS and Brefeldin A treated RAW 264.7 cells were subjected to SDS PAGE followed by western blot with 26162-1-AP (Tnf alpha antibody) at dilution of 1:500 and incubated at room temperature for 1.5 hours.