## For Research Use Only

## TNF-alpha Polyclonal antibody Catalog Number: 17590-1-AP 786 Publications

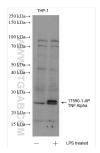


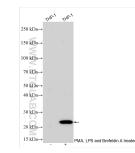
Basic Information	Catalog Number: 17590-1-AP	GenBank Accession Num BC028148		Purification Method: Antigen affinity purification Recommended Dilutions:	
	Size: 150ul, Concentration: 600 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG11433	GeneID (NCBI):	Recommer		
		7124	WB: 1:500-		
		ENSEMBL Gene ID: ENSG00000232810	IF/ICC. I.5	IF/ICC: 1:50-1:500	
		UNIPROT ID:			
		P01375			
		Full Name:			
		tumor necrosis factor (TN superfamily, member 2)	IF		
		Calculated MW:			
		233 aa, 26 kDa Observed MW:			
		26 kDa			
Applications	Tested Applications:	Р	Positive Controls:		
	WB, IF/ICC, ELISA	v	B : THP-1 cells, LPS treat	ed RAW 264.7 cells	
	Cited Applications: WB, IHC, IF, ELISA, Cell treatment, Tr	answell Assay	IF/ICC : PMA, LPS and Brefeldin A treated THP-1 cel		
	Species Specificity: human, mouse				
	Cited Species:				
	human, mouse, rat, rabbit, bovine, sh	eep, fish			
Background Information	TNF, as also known as TNF-alpha, or tumor necrosis factor (TNF) superfam TNF-alpha converting enzyme (TACE circulation. It is produced chiefly by such as CD4+ lymphocytes, NK cells, functions through its receptors TNFR of a wide spectrum of biological proo and coagulation. This cytokine has b resistance, and cancer.	ily. It is expressed as a 26 (i) to release the soluble 17 activated macrophages, al neutrophils, mast cells, ec (i) TA/TNFR1 and TNFRSF1 resses including cell prolif	kDa membrane bound p kDa monomer, which fo though it can be produce sinophils, and neurons. I B/TNFBR. This cytokine is eration, differentiation, a	rotein and is then cleaved rms homotrimers in d by many other cell types t can bind to, and thus s involved in the regulation apoptosis, lipid metabolisr	
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T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com

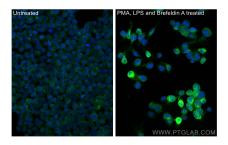
Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data





Untreated THP-1 and THP-1 (treated with 80nM PMA overnight, replaced the culture medium with 100 ng/ml LPS for 6 hours with addition of 300ng/ml Brefeldin A for the last 3 hours) cells were subjected to SDS PAGE followed by western blot with 17590-1-AP (TNF-alpha antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed PMA, LPS and Brefeldin A treated THP-1 cells using TNF-alpha antibody (17590-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).

Untreated THP-1 and THP-1 (treated with 80nM PMA overnight, replaced the culture medium with 100 ng/ml LPS for 6 hours with addition of 300ng/ml Brefeldin A for the last 3 hours) cells were subjected to SDS PAGE followed by western blot with 17590-1-AP (TNF Alpha antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.