

For Research Use Only

CoraLite® Plus 647-conjugated TNF- alpha Polyclonal antibody

Catalog Number:CL647-17590



Basic Information

Catalog Number: CL647-17590	GenBank Accession Number: BC028148	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 7124	Recommended Dilutions: IF/ICC: 1:50-1:500
Source: Rabbit	ENSEMBL Gene ID: ENSG00000232810	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Isotype: IgG	UNIPROT ID: P01375	
Immunogen Catalog Number: AG11433	Full Name: tumor necrosis factor (TNF superfamily, member 2)	
	Calculated MW: 233 aa, 26 kDa	
	Observed MW: 26 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : PMA, LPS and Brefeldin A treated THP-1 cells,
Species Specificity: human, 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. This cytokine has been implicated in a variety of diseases, including autoimmune diseases, ins resistance, and cancer.

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed PMA, LPS and Brefeldin A treated THP-1 cells using CoraLite® Plus 647 TNF-alpha antibody (CL647-17590) at dilution of 1:200.