

TNF

Rat Anti-Mouse TNF-alpha Clone MP6-XT22 mAb

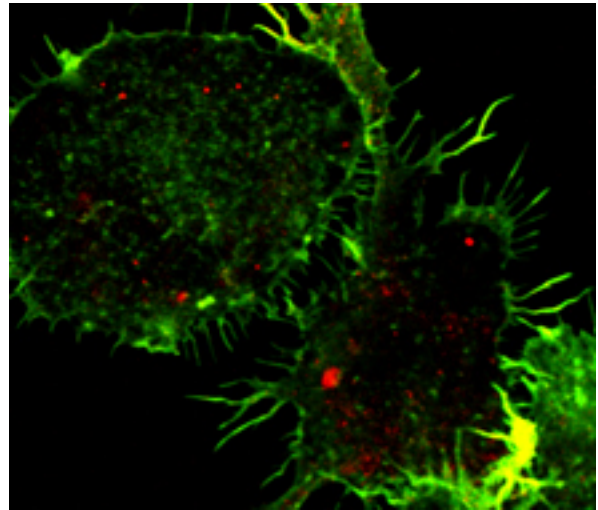
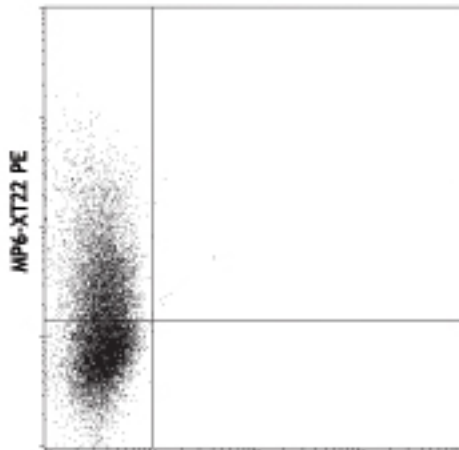
Catalog No.	CSI11546 CSI11547	Quantity:	50 µg 0.5 mg
Alternate Names:	Tumor necrosis factor-α, Cachectin, Necrosin, Macrophage cytotoxic factor (MCF), Differentiation inducing factor (DIF), TNFSF-2, TNF-a, TNF-alpha,		
Description:	TNF-α is secreted by macrophages, monocytes, neutrophils, T-cells (principally CD4+), and NK-cells. Many transformed cell lines also secrete TNF-α. Monomeric mouse TNF-α is 156 amino acid protein (N-glycosylated) with a reported molecular weight of 17.5 kD protein. TNF-α forms multimeric complexes; stable trimers are most common in solution. A 26 kD membrane form of TNF-α has also been described. TNF-α binding to surface receptors elicits a wide array of biologic activities including: cytolysis and cytostasis of many tumor cell lines <i>in vitro</i> , hemorrhagic necrosis of tumors <i>in vivo</i> , increased fibroblast proliferation, and enhanced chemotaxis and phagocytosis in neutrophils.		
Concentration:	0.5 mg/ml		
Gene ID:	21926		
Host:	Rat		
Immunogen:	<i>E. coli</i> -expressed, recombinant mouse TNF-α		
Isotype:	Rat IgG1, κ		
Clone:	MP6-XT22		
Bioactivity:	Paracrine/endocrine mediator of inflammatory and immune functions; selectively cytotoxic for transformed cells; endothelial cell alterations; chemoattractant		
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
Purification:	The antibody was purified by affinity chromatography.		
Reactivity:	Mouse		
Applications:	ELISA, ICFC, WB, IHC, IF		
Recommended Usage:	Each lot of this antibody is quality control tested by ELISA assay. For ELISA capture applications, a concentration range of 2-6 µg/ml is recommended. To obtain a linear standard curve, serial dilutions of mouse TNF-α recombinant protein ranging from 500 to 4 pg/ml are recommended for each ELISA plate. It is recommended that the reagent be titrated for optimal performance for each application		



Storage & Stability: The IL-2 antibody solution should be stored undiluted at 4 °C. **Do not freeze.**

PMA/Ionomycin-stimulated BALB/c T cells were stained with MP6-XT22 PE

Immortalized mouse bone marrow-derived macrophages stimulated overnight with LPS were stained with Atto-488 phalloidin (green) and purified TNF- α (clone MP6-XT22), secondarily stained with Goat anti-Rat IgG Dylight 594 (red). Data provided by James Harris, Trinity College.



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