

## TNF

### Rat Anti-Mouse TNF-alpha Clone MP6-XT22 LE/NA mAb

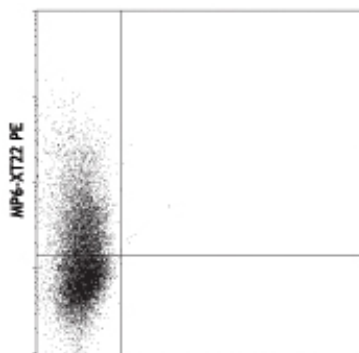
<b>Catalog No.</b>	CSI11548 CSI11549	<b>Quantity:</b>	50 µg 0.5 mg
<b>Alternate Names:</b>	Tumor necrosis factor-α, Cachectin, Necrosin, Macrophage cytotoxic factor (MCF), Differentiation inducing factor (DIF), TNFSF-2, TNF-a, TNF-alpha,		
<b>Description:</b>	TNF-α is secreted by macrophages, monocytes, 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.		
<b>Concentration:</b>	1.0 mg/ml		
<b>Gene ID:</b>	21926		
<b>Host:</b>	Rat		
<b>Immunogen:</b>	<i>E. coli</i> -expressed, recombinant mouse TNF-α		
<b>Isotype:</b>	Rat IgG1, κ		
<b>Clone:</b>	MP6-XT22		
<b>Bioactivity:</b>	Paracrine/endocrine mediator of inflammatory and immune functions; selectively cytotoxic for transformed cells; endothelial cell alterations; chemoattractant		
<b>Formulation:</b>	Phosphate-buffered solution, pH 7.2, containing no preservative. 0.2 µm filter sterilized. Endotoxin level is < 0.1 EU/µg of the protein (< 0.01 ng/µg of the protein) as determined by the LAL test.		
<b>Purification:</b>	The (Low Endotoxin, Azide-Free) TNF-α antibody was Purified by affinity chromatography.		
<b>Reactivity:</b>	Mouse		
<b>Applications:</b>	ELISA, ICFC, Neut, WB, IHC		
<b>Recommended Usage:</b>	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 TNF- $\alpha$  antibody solution should be stored undiluted at 4 °C. This LE/NA solution contains no preservative; handle under aseptic conditions.

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



**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**



**Cell Sciences®**  
480 Neponset Street  
Bldg 12A  
Canton, MA 02021

Toll Free: 888-769-1246  
Phone: 781-828-0610  
Fax: 781-828-0542

E-mail: [info@cellsciences.com](mailto:info@cellsciences.com)  
Website: [www.cellsciences.com](http://www.cellsciences.com)