

## Anti-Human Tumor Necrosis Factor alpha (TNF- $\alpha$ ) Polyclonal Antibody

<b>Catalog No:</b>	<b>CPT101</b>
<b>Size:</b>	500 $\mu$ g
<b>Concentration:</b>	0.5 mg/0.5 mL
<b>Formulation:</b>	Rabbit polyclonal antibodies in phosphate buffered saline, pH 7.2. Carrier and preservative-free. 0.22 micron sterile filtered.
<b>Endotoxin:</b>	Endotoxin level 0.1 ng/ $\mu$ g of protein.
<b>Purity:</b>	>95% as determined by SDS-PAGE analysis.
<b>Immunogen:</b>	Purified recombinant human TNF-alpha.
<b>Neutralizing Units:</b>	1 $\mu$ g of the antibody will neutralize 6 ng of protein in a cytotoxicity assay.
<b>Applications:</b>	Suitable for use in Western blot analysis, neutralization studies and ELISA.
<b>Recommended Dilutions:</b>	Centrifuge vial briefly before opening to bring contents to bottom of vial. For Western blotting applications we recommend that the antibody be used at a 1:1000 dilution. For ELISA applications, dilute this preparation to a concentration of 1-5 $\mu$ g/mL, and use 100 $\mu$ L to coat each well of a microtiter plate. A general ELISA protocol is available upon request. Alternatively, the antibody may be diluted in buffered solution with carrier protein, such as phosphate buffered saline supplemented with 0.1-1.0% bovine serum albumin. The optimal antibody concentration should be determined for each specific application.
<b>Storage:</b>	Store at 2-8°C for up to one month. For long term storage, aliquot into small volumes and store below -20°C. Avoid repeated freeze-thaw cycles to prevent denaturing the antibody.
<b>References:</b>	<ol style="list-style-type: none"><li>1) Kinter, A.L., G. Poli, L. Fox, E. Hardy, and A.S. Fauci (1995) HIV replication in IL-2-stimulated peripheral blood mononuclear cells is driven in an autocrine/paracrine manner by endogenous cytokines. <i>J. Immunol</i> 154(5):2448-59.</li><li>2) Eckmann, L., J. Fierer, and M.F. Kagnoff (1996) Genetically resistant (Ityr) and susceptible (Itys) congenic mouse strains show similar cytokine responses following infection with Salmonella dublin. <i>J. Immunol</i> 156(8):2894-900.</li></ol>

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



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