

## Product datasheet for **PP1071P2**

### TNF alpha (TNF) Rabbit Polyclonal Antibody

#### Product data:

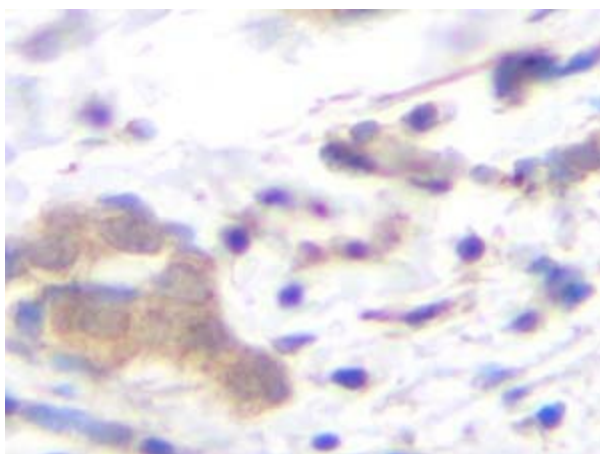
Product Type:	Primary Antibodies
Applications:	ELISA, FN, IF, IHC, WB
Recommended Dilution:	<p><b>Neutralisation:</b> To yield one-half maximal inhibition [ND50] of the biological activity of hTNF-alpha (0.25 ng/ml), a concentration of 0.08-0.010 µg/ml of this antibody is required.</p> <p><b>Indirect ELISA:</b> To detect hTNF-alpha by indirect ELISA (using 100 µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of at least 0.2-0.4 ng/well of recombinant hTNF-alpha.</p> <p><b>Sandwich ELISA:</b> To detect hTNF-alpha by sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with biotinylated Anti-Human TNF-alpha as a detection antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant hTNF-alpha.</p> <p><b>Western Blot:</b> To detect hTNF-alpha by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hTNF-alpha is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.</p> <p><b>Immunofluorescence:</b> Recommended to use 10.0 µg/ml for one hour at room temperature.</p> <p><b>Immunohistochemistry on Formalin-fixed, paraffin-embedded sections:</b> The recommended concentrations are 0.5 µg/ml-1.0 µg/ml with an overnight incubation at 4°C. Heat induced antigen retrieval with a pH 6.0 Sodium Citrate buffer is recommended.</p>
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (>98%) E.coli derived recombinant Human TNF-alpha
Specificity:	Tumor Necrosis Factor alpha
Formulation:	<p>PBS, pH 7.2</p> <p>State: Aff - Purified</p> <p>State: Lyophilized</p>
Reconstitution Method:	Centrifuge vial prior to opening. Reconstitute in sterile water to a concentration of 0.1-1.0 mg/ml.



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<b>Purification:</b>	Affinity chromatography employing immobilized hTNF-alpha matrix Sterile filtered.
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	The lyophilized antibody can be stored for one year from despatch at -20°C. Reconstituted antibody is stable for two weeks at 2-8°C, frozen aliquots are stable for six months at -20°C. Avoid repeated freezing and thawing.
<b>Gene Name:</b>	tumor necrosis factor
<b>Database Link:</b>	<a href="#">Entrez Gene 7124 Human P01375</a>
<b>Synonyms:</b>	TNF, TNF-a, TNFA, TNFSF2, Cachectin

### Product images:



Immunohistochemistry: This TNF-alpha antibody stained formalin-fixed, paraffin-embedded sections of human breast invasive ductal carcinoma. The recommended concentrations are 0.5 ug/ml-1.0 ug/ml with an overnight incubation at 4°C. An HRP-labeled polymer detection system was used with a DAB chromogen. Heat induced antigen retrieval with a pH 6.0 Sodium Citrate buffer is recommended. Tissue samples were provided by the Cooperative Human Tissue Network, which is funded by the National Cancer Institute.

