

## Product datasheet for **AP33336PU-S**

### TNF alpha (TNF) Goat Polyclonal Antibody

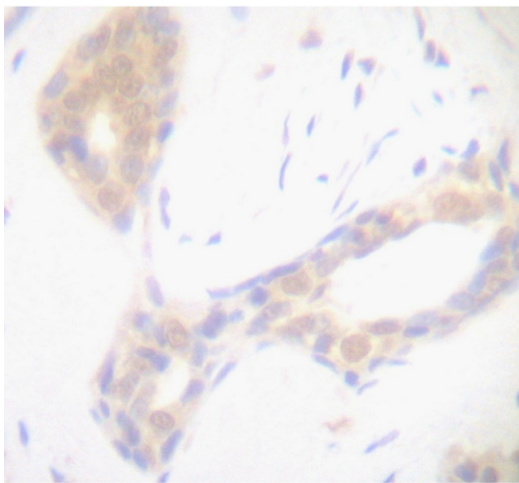
#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>Sandwich ELISA:</b> To detect Human TNF-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 (Cat.-No AP33336BT) as a detection antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant Human TNF-alpha. <b>Western Blot:</b> To detect Human TNF-α by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/ml. When used in conjunction with compatible secondary reagents, the detection limit for recombinant Human TNF-alpha is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions. <b>Neutralization:</b> To yield one-half maximal inhibition [ND50] of the biological activity of Human TNF-α (0.25 ng/ml), a concentration of 0.012-0.014 µg/ml of this antibody is required. <b>Immunohistochemistry on Paraffin Sections:</b> This antibody stained formalin-fixed, paraffin-embedded sections of human breast invasive ductal carcinoma. The recommended concentrations are 2.5 µg/ml-5.0 µg/ml with a two-hour incubation at room temperature or an overnight incubation at 4°C. An HRP-labeled polymer detection system was used with a DAB chromogen. This antibody was also tested in an HRP-biotin labeling detection system. Heat induced antigen retrieval with a pH 6.0 Sodium Citrate buffer is recommended. Optimal concentrations and conditions may vary.
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Highly pure (> 98%) <i>E.coli</i> derived recombinant Human TNF-alpha (Cat.-No PA132)
Specificity:	This antibody recognizes Human TNF-alpha. Other species not tested.
Formulation:	PBS, pH 7.2 State: Purified State: Lyophilized purified Ig fraction
Reconstitution Method:	Restore in sterile PBS containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity Chromatography employing immobilized Human TNF-alpha matrix.

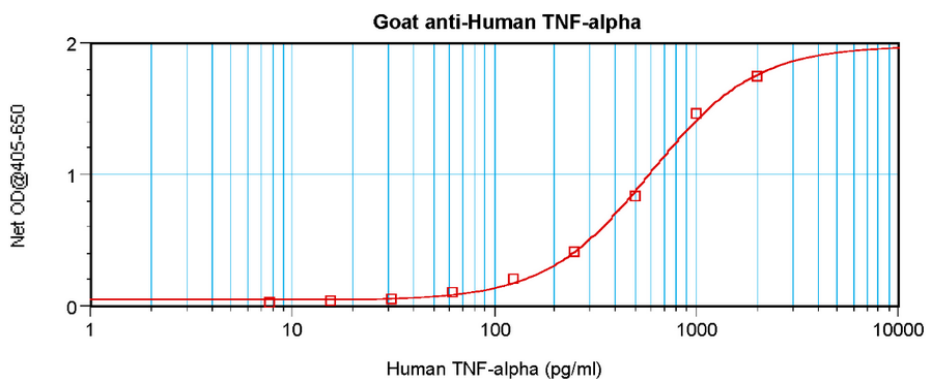


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<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<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:**


Human breast invasive ductal carcinoma stained with TNF-alpha Antibody Cat.-No AP33336PU



Sandwich ELISA using TNF-alpha Antibody Cat.-No AP33336PU