

# Anti-Human TNF- $\alpha$ Antibody

Catalog # ABG10555

## Product Information

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<b>Application</b>	WB, IHC, E
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal

## Additional Information

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<b>Preparation</b>	Produced in BALB/c mice using highly pure recombinant human TNF- $\alpha$ as the immunizing antigen. This antibody was purified from cell culture by Protein G affinity chromatography.
<b>WesternBlot</b>	To detect Human TNF- $\alpha$ by Western Blot analysis this antibody can be used at a concentration of 0.5-1.0 $\mu$ g/ml. When used in conjunction with compatible secondary reagents the detection limit for recombinant Human TNF- $\alpha$ is 0.5-1.0 ng/lane, under reducing conditions and 0.25-0.50 ng/lane, under non-reducing conditions.
<b>Sandwich</b>	In a sandwich ELISA (assuming 100 $\mu$ l/well), a concentration of 2.0-4.0 $\mu$ g/ml of this antibody will detect at least 1000 pg/ml of recombinant Human TNF- $\alpha$ when used with BioGems's biotinylated antigen affinity purified anti-Human TNF- $\alpha$ (60-325BT) as the detection antibody at a concentration of approximately 0.5-1.0 $\mu$ g/ml.
<b>Immunohistochemistry</b>	<p>This antibody stained formalin-fixed, paraffin-embedded sections of human breast invasive ductal carcinoma. The recommended concentrations are 15.0-20.0 <math>\mu</math>g/ml overnight at 4 °C. An HRP-labeled polymer detection system was used with DAB Chromogen. Heat induced antigen retrieval with a pH 6.0 sodium citrate buffer is recommended. Optimal concentrations and conditions may vary. Tissue samples were provided by the Cooperative Human Tissue Network, which is funded by the National Cancer Institute.</p> <small>*Tissue samples were provided by the Cooperative Human Tissue Network, which is funded by the National Cancer Institute.</small>
<b>Neutralization</b>	To yield one-half maximal inhibition [ND <sub>50</sub> ] of the biological activity of Human TNF- $\alpha$ (0.5 ng/ml), a concentration of < 0.1 $\mu$ g/ml of this antibody is required.
<b>Formulation</b>	A sterile filtered antibody solution was lyophilized from PBS.
<b>Reconstitution</b>	Centrifuge vial prior to opening. Reconstitute in sterile water to a concentration of 0.1-1.0 mg/ml.
<b>Storage</b>	-20°C
<b>Precautions</b>	Anti-Human TNF- $\alpha$ Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.