

**Anti-Human TNF- $\alpha$  Antibody**  
**Catalog # ABG10555****Specification**

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**Anti-Human TNF- $\alpha$  Antibody - Product Information**

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

**Anti-Human TNF- $\alpha$  Antibody - Additional Information****Preparation**

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.

**WesternBlot**

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.

**Sandwich**

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.

**Immunohistochemistry**

This antibody stained formalin-fixed, paraffin-embedded sections of human breast invasive ductal carcinoma. The recommended concentrations are 15.0-20.0  $\mu$ 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.   
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**Neutralization**

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  $\leq$  0.1  $\mu$ g/ml of this antibody is required.

**Formulation**

A sterile filtered antibody solution was lyophilized from PBS.

**Reconstitution**

Centrifuge vial prior to opening. Reconstitute in sterile water to a concentration of 0.1-1.0 mg/ml.

**Storage**

-20°C

**Precautions**

Anti-Human TNF- $\alpha$  Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-Human TNF- $\alpha$  Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-Human TNF- $\alpha$  Antibody - Images**