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Anti-Human TNF-α Antibody
Catalog # ABG10555

Specification

Anti-Human TNF-α Antibody - Product Information

Application	**WB, IHC, E**
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**

Anti-Human TNF-α Antibody - Additional Information

Preparation
Produced in BALB/c mice using highly pure recombinant human TNF-α as the immunizing antigen. This antibody was purified from cell culture by Protein G affinity chromatography.

WesternBlot
To detect Human TNF-α by Western Blot analysis this antibody can be used at a concentration of 0.5-1.0 µg/ml. When used in conjunction with compatible secondary reagents the detection limit for recombinant Human TNF-α 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 100µl/well), a concentration of 2.0-4.0 µg/ml of this antibody will detect at least 1000 pg/ml of recombinant Human TNF-α when used with BioGems' biotinylated antigen affinity purified anti-Human TNF-α (60-325BT) as the detection antibody at a concentration of approximately 0.5-1.0 µg/ml.

Immunohistochemistry
This antibody stained formalin-fixed, paraffin-embedded sections of human breast invasive ductal carcinoma. The recommended concentrations are 15.0-20.0 µg/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 [ND₅₀] of the biological activity of Human TNF-α (0.5 ng/ml), a concentration of < 0.1 µg/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-α Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-Human TNF-α 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 Cytomety
- Cell Culture

Anti-Human TNF-α Antibody - Images