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Anti-Human TNF-α Antibody

Catalog # ABG10555

Product Information

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

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 □g/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 100 □l/well), a concentration of 2.0-4.0 □g/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 □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 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 [ND_{50}] 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.

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