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Anti-Human TGF-α Antibody
Catalog # ABG10538

Specification

Anti-Human TGF-α Antibody - Product Information

Application	**WB, IHC, E**
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**

Anti-Human TGF-α Antibody - Additional Information

Preparation
Produced from sera of rabbits pre-immunized with highly pure recombinant Human TGF-α. Anti-Human TGF-α specific antibody was purified by affinity chromatography employing immobilized Human TGF-α matrix.

WesternBlot
To detect Human TGF-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 TGF-α is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.

Sandwich
To detect Human TGF-α 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 BioGems' Biotinylated Anti-Human TGF-α (60-309BT) as a detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant Human TGF-α.

Immunohistochemistry
This antibody stained formalin-fixed, paraffin-embedded sections of human breast invasive ductal carcinoma. The recommended concentration is 0.5 µg/ml with a two-hour incubation at room temperature. An HRP-labeled polymer detection system was used with a DAB chromogen. Heat induced antigen retrieval with a pH 6.0 Sodium Citrate buffer is recommended. Optimal concentrations and conditions may vary.

Neutralization
To yield one-half maximal inhibition [ND₅₀] of the biological activity of Human TGF-α (0.5 ng/ml), a concentration of 2.5-3.7µg/ml of this antibody is required.

Formulation
A sterile filtered antibody solution was lyophilized from PBS, pH 7.2.

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 TGF-α Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-Human TGF-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 TGF-α Antibody - Images