

**Anti-Human TGF- β 1 Antibody
Catalog # ABG10540****Specification****Anti-Human TGF- β 1 Antibody - Product Information**

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

Anti-Human TGF- β 1 Antibody - Additional Information**Preparation**

Produced in mice using highly pure recombinant human TGF- β 1 as the immunizing antigen. This IgG1₁ antibody was purified from cell culture by Protein G affinity chromatography.

WesternBlot

To detect Human TGF- β 1 by Western Blot analysis this antibody can be used at a concentration of 2.0-4.0 μ g/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Human TGF- β 1 is 2.0-4.0 ng/lane, under non-reducing conditions.

 In a dot blot, a 1:500 dilution of this antibody exhibited complete cross reactivity with Human TGF- β 2 and TGF- β 3 isotypes. Reduced cross reactivity was shown at a 1:1000 dilution.

Sandwich

In a sandwich ELISA (assuming 100 μ l/well), a concentration of 4.0-8.0 μ g/ml of this antibody will detect at least 100 pg/ml of recombinant Human TGF- β 1 when used in conjunction with compatible secondary reagents.

Immunohistochemistry

This antibody stained formalin-fixed paraffin-embedded sections of human pancreas adenocarcinoma tissue. The recommended concentration is 5.0 μ g/ml with an overnight incubation at 4°C. An HRP-labeled polymer detection system was used with an alcohol-soluble AEC 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.
 *Additional Immunostaining data available. Please contact Tech Support for information.

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 TGF- β 1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-Human TGF- β 1 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 TGF- β 1 Antibody - Images