

**Anti-Human TGF- $\beta$ 1 Antibody**  
**Catalog # ABG10540****Specification**

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**Anti-Human TGF- $\beta$ 1 Antibody - Product Information**

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

**Anti-Human TGF- $\beta$ 1 Antibody - Additional Information****Preparation**

Produced in mice using highly pure recombinant human TGF- $\beta$ 1 as the immunizing antigen. This IgG1<sub>K</sub> antibody was purified from cell culture by Protein G affinity chromatography.

**WesternBlot**

To detect Human TGF- $\beta$ 1 by Western Blot analysis this antibody can be used at a concentration of 2.0-4.0  $\mu$ g/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Human TGF- $\beta$ 1 is 2.0-4.0 ng/lane, under non-reducing conditions. <br /> <br /> In a dot blot, a 1:500 dilution of this antibody exhibited complete cross reactivity with Human TGF- $\beta$ 2 and TGF- $\beta$ 3 isotypes. Reduced cross reactivity was shown at a 1:1000 dilution.

**Sandwich**

In a sandwich ELISA (assuming 100 $\mu$ l/well), a concentration of 4.0-8.0  $\mu$ g/ml of this antibody will detect at least 100 pg/ml of recombinant Human TGF- $\beta$ 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  $\mu$ 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.<br /> <span style="font-size: 10px;">\*Additional Immunostaining data available. Please contact Tech Support for information.</span>

**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- $\beta$ 1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## **Anti-Human TGF- $\beta$ 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- $\beta$ 1 Antibody - Images**