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# Anti-Human TGF-β1 Antibody

Catalog # ABG10540

## Product Information

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

## Additional Information

**Preparation**

Produced in mice using highly pure recombinant human TGF-β1 as the immunizing antigen. This $IgG1_K$ antibody was purified from cell culture by Protein G affinity chromatography.

**WesternBlot**

To detect Human TGF-β1 by Western Blot analysis this antibody can be used at a concentration of 2.0-4.0 μg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Human TGF-β1 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-β2 and TGF-β3 isotypes. Reduced cross reactivity was shown at a 1:1000 dilution.

**Sandwich**

In a sandwich ELISA (assuming 100 μl/well), a concentration of 4.0-8.0 μg/ml of this antibody will detect at least 100 pg/ml of recombinant Human TGF-β1 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 μg/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-β1 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'.