Mouse anti TGF alpha Monoclonal Antibody

Alternative Name(s): Transforming growth factor, alpha

Order Information

- **Description:** TGF alpha
- **Catalogue:** 603-770
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** TGF88
- **Application:** IHC(P), ELISA
- **Reactivity:** Hu

ANTIGEN PREPARATION

a recombinant protein of 50 aa TGF-alpha

BACKGROUND

Transforming growth factor alpha (TGF-α) is a member of the epidermal growth factor family. It is a ligand for the epidermal growth factor receptor, which activates a signaling pathway for cell proliferation, differentiation and development. TGF-α binding to EGFR promotes cell proliferation events that include wound healing and embryogenesis. TGF-α is also implicated in tumerogenesis and angiogenesis. It promotes tumorigenesis and regulates epithelial-mesenchymal transition modulation in colon cancer. TGFα has an higher expression in hepatocyte regeneration and proliferation in cirrhotic livers than in hepatocellular carcinoma.

PURIFICATION

The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes human TGF alpha protein. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at –20oC to –70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 225.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

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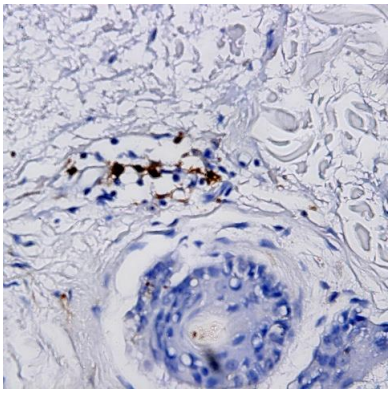
DATA ATTACHMENTS



Immunohistochemistry: Skin tissue (FFPE) stained with Mouse anti-TGF-alpha (Cat#603-770) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

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