

## TGFB1 Monoclonal Antibody

Catalog No. E-AB-22215

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

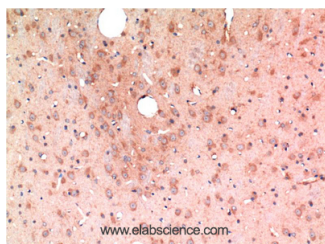
### Description

<b>Reactivity</b>	Human,Mouse,Rat
<b>Immunogen</b>	Synthetic Peptide of TGFβ1
<b>Host</b>	Mouse
<b>Isotype</b>	IgG
<b>Clone</b>	Clone:10E5
<b>Purification</b>	Protein A purification
<b>Conjugation</b>	Unconjugated
<b>Buffer</b>	PBS with 0.02% sodium azide, 0.5% protective protein and 50% glycerol, pH7.4

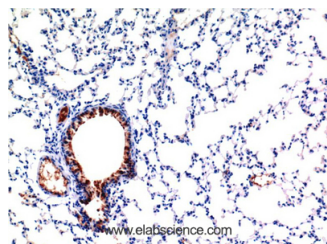
### Applications Recommended Dilution

**IHC** 1:100-200

### Data



Immunohistochemistry of paraffin-embedded Rat brain tissue using TGFB1 Monoclonal Antibody at dilution of 1:200.



Immunohistochemistry of paraffin-embedded Mouse lung tissue using TGFB1 Monoclonal Antibody at dilution of 1:200.

### Preparation & Storage

**Storage** Store at -20°C. Avoid freeze / thaw cycles.

### Background

Multifunctional protein that controls proliferation, differentiation and other functions in many cell types. Many cells synthesize TGFB1 and have specific receptors for it. It positively and negatively regulates many other growth factors. It plays an important role in bone remodeling as it is a potent stimulator of osteoblastic bone formation, causing chemotaxis, proliferation and differentiation in committed osteoblasts. Can promote either T-helper 17 cells (Th17) or regulatory T-cells (Treg) lineage differentiation in a concentration-dependent manner. At high concentrations, leads to FOXP3-mediated suppression of RORC and down-regulation of IL-17 expression, favoring Treg cell development. At low concentrations in concert with IL-6 and IL-21, leads to expression of the IL-17 and IL-23 receptors, favoring differentiation to Th17 cells.

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