

# Recombinant TGF beta 1 Monoclonal Antibody

Catalog Number:E-AB-81441



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

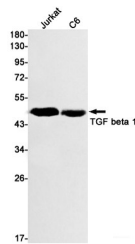
## Description

<b>Reactivity</b>	Human,Mouse,Rat
<b>Immunogen</b>	Recombinant protein of mouse TGF beta 1
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Clone</b>	R08-8B7
<b>Purification</b>	Affinity Purified
<b>Conjugation</b>	Unconjugated
<b>Formulation</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein

## Applications Recommended Dilution

**WB** 1:500-1:1000

## Data



Western blot detection of TGF beta 1 in Jurkat,C6 cell lysates using TGF beta 1 Rabbit mAb(1:1000 diluted).Predicted band size:44kDa.Observed band size:44kDa.

**Observed Mw:44kDa**  
**Calculated Mw:44kDa**

## Preparation & Storage

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

## Background

TGFB, also named as LAP and TGFB1, is a multifunctional peptide that controls proliferation, differentiation, and other functions in many cell types. TGFB acts synergistically with TGFA in inducing transformation. It also acts as a negative autocrine growth factor. Dysregulation of TGFB activation and signaling may result in apoptosis. Many cells synthesize TGFB and almost all of them have specific receptors for it. TGFB 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. It is highly expressed in bone. Mutation of TGFB are the cause of Camurati-Engelmann disease (CED) which known as progressive diaphyseal dysplasia 1 (DPD1).

## For Research Use Only

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