

# **Anti-TGF Beta 1 Antibody [Clone 51-3]**

Catalog Number	LDG0047YA
Package	100 μg / Customized package

For full product information, images and publications, please visit our website.



### **Overview**

### Description

Transforming growth factor beta (TGF-β), a polypeptide member of the transforming growth factor beta superfamily of cytokines that includes three isoforms, is involved in various biological processes. TGF-β1, the most abundant TGF-β isoform, is a secreted protein that plays important role in cell proliferation, differentiation and apoptosis and is involved in wound healing, inflammatory processes and prevention of tumor growth.

#### **Product Note**

Recommended dilution factor:

ELISA: 1:5000-20000 WB: 1:1000-10000 IFA: 1:400-1000

FACS: Assay dependent

Note: Working dilution for specific application should be determined by the investigator to obtain the best conditions.

## **Specifications** Host Clonality Monoclonal Mouse Isotype Clone Name lgG1 clone 51-3 Immunogen Reactivity TGF Beta 1 Human

**Tainan Headquarters** 

**Innovation & Research Center** 

**CLD Center** 



**Application** 

ELISA, WB, IFA, FACS

Concentration

1 mg/mL

**Specificity** 

TGF Beta 1

Conjugation

Unconjugated

**Storage Buffer** 

Phosphate Buffered Saline containing 0.03% ProClin 300, pH 7.4.

Form

Liquid

### Instruction

### **Shipping**

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

### Stability & Storage

This product is stable after storage at:

- 2-8°C for 2 weeks under sterile conditions from date of receipt.
- -20°C or -80°C for 12 months under sterile conditions from date of receipt.

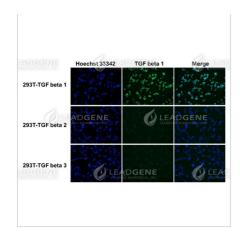
Avoid repeated freeze/thaw cycles.

Suggestion: Divide antibody into several vials. Keep only vials for usage at 2-8°C.

### **Image**

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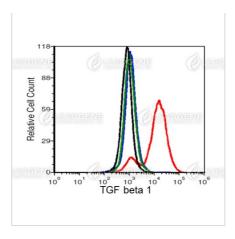


Immunofluorescence analysis of Anti-TGF Beta 1 Antibody [Clone 51-3] 293T cells were respectively transfected with TGF beta 1, beta 2 and beta 3 plasmid and fixed in 4% PFA, permeabilized with PBS containing 0.1%

Triton X-100. Cells were stained with mouse anti-TGF beta 1 monoclonal antibody (1:400) followed by secondary antibodies (goat anti-Mouse IgG-

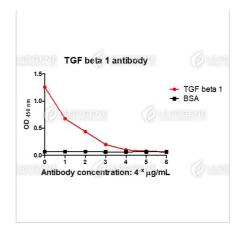
iFluor 488, 1:400, green) and cell nuclei were stained with Hoechst 33342

(Blue).



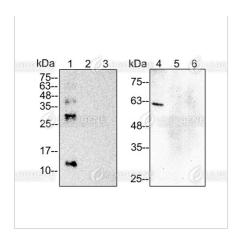
FACS analysis of Anti-TGF Beta 1
Antibody [Clone 51-3]
293T cells (black) were respectively transfected with TGF beta 1 (red), beta
2 (blue) and beta 3 (green) plasmid and stained with mouse anti-TGF beta
1

monoclonal antibody at 1 µg/ml.



ELISA titration of Anti-TGF Beta 1
Antibody [Clone 51-3]
Titration curve of anti-TGF beta 1
antibody in ELISA. Red: TGF beta 1;
Black: BSA (negative control).





Western blotting analysis of Anti-TGF Beta 1 Antibody [Clone 51-3] Recombinant proteins and TGF beta 1, 2 or 3 transfected 293T cell lysates were stained with mouse anti-TGF beta 1 monoclonal antibody at 1:2000 dilution. Lane 1: recombinant TGF beta 1 protein (25 ng). Lane 2: recombinant TGF beta 2 protein (25 ng). Lane 3: recombinant TGF beta 3 protein (25 ng). Lane 4: TGF beta 1 transfected 293T cell lysates (30 µg). Lane 5: TGF beta 2 transfected 293T cell lysates (30 µg). Lane 6: TGF beta 3 transfected 293T cell lysates (30 μg).

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