

## TGFB1 Monoclonal Antibody

<b>Catalog No.</b>	A0291	<b>Category</b>	Monoclonal Antibodies
<b>Applications</b>	WB, IHC, FC	<b>Observed MW</b>	40kDa
<b>Cross-reactivity</b>	Human	<b>Calculated MW</b>	44kDa

### Immunogen Information

<b>Immunogen</b>	Recombinant protein of human TGFB1
<b>Gene ID</b>	7040
<b>Swiss prot</b>	P01137
<b>Synonyms</b>	CED;DPD1;LAP;TGFB;TGFBeta

### Product information

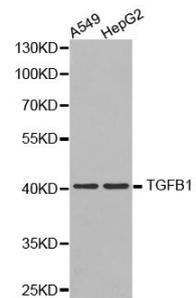
<b>Source</b>	Mouse
<b>Isotype</b>	IgG
<b>Purification method</b>	Affinity purification
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

### Background

This gene encodes a member of the transforming growth factor beta (TGFB) family of cytokines, which are multifunctional peptides that regulate proliferation, differentiation, adhesion, migration, and other functions in many cell types. Many cells have TGFB receptors, and the protein positively and negatively regulates many other growth factors. The secreted protein is cleaved into a latency-associated peptide (LAP) and a mature TGFB1 peptide, and is found in either a latent form composed of a TGFB1 homodimer, a LAP homodimer, and a latent TGFB1-binding protein, or in an active form composed of a TGFB1 homodimer. The mature peptide may also form heterodimers with other TGFB family members. This gene is frequently upregulated in tumor cells, and mutations in this gene result in Camurati-Engelmann disease.

### Recommended Dilutions

WB	1:500 - 1:2000
IHC	1:50 - 1:200
FC	1:50 - 1:200



Western blot analysis of extracts of various cell lines, using TGFB1 antibody (A0291).  
 Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.  
 Lysates/proteins: 25ug per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.