

## Basic Information

<b>Product Name</b>	Anti-TGF Beta 1/TGFB1 Antibody (Clone#OTI3B6)		
<b>Gene Name</b>	TGFB1		
<b>Source</b>	Mouse		
<b>Clonality</b>	Monoclonal		
<b>Isotype</b>	IgG2a		
<b>Species Reactivity</b>	human, mouse, rat		
<b>Tested Application</b>	FCM, ICC/IF, WB		
<b>Contents</b>	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.		
<b>Immunogen</b>	Full length human recombinant protein of human TGFB1(NP_000651) produced in HEK293T cell.		
<b>Concentration</b>	500 ug/ml		
<b>Purification</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)		
<b>Observed MW</b>	14 kDa/48 kDa		
<b>Dilution Ratios</b>	Western blot (WB): 1:2000 Immunocytochemistry/Immunofluorescence (ICC/IF):1:100		

## Storage

Stable for 12 months from date of receipt. Store at -20°C as received.

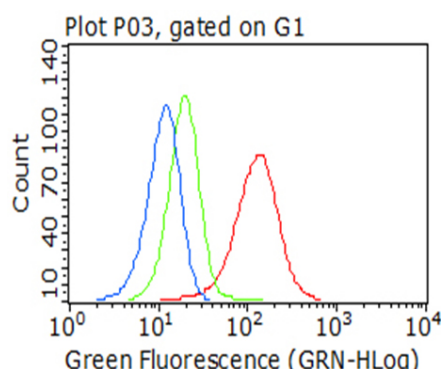
## Background Information

This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate a latency-associated peptide (LAP) and a mature peptide, and is found in either a latent form composed of a mature peptide homodimer, a LAP homodimer, and a latent TGF-beta binding protein, or in an active form consisting solely of the mature peptide homodimer. The mature peptide may also form heterodimers with other TGFB family members. This encoded protein regulates cell proliferation, differentiation and growth, and can modulate expression and activation of other growth factors including interferon gamma and tumor necrosis factor alpha. This gene is frequently upregulated in tumor cells, and mutations in this gene result in Camurati-Engelmann disease.

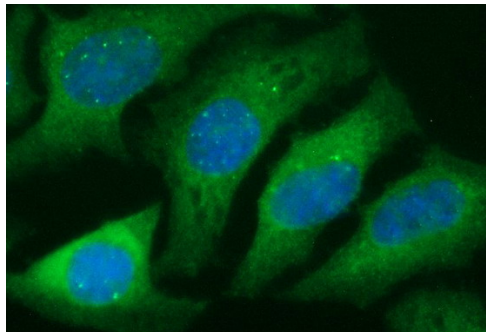
## Reference

Anti-TGF Beta 1/TGFB1 Antibody (Clone#OTI3B6)被引用在4文献中。

## Selected Validation Data



Flow cytometric Analysis of permeabilized HeLa cells, using anti-TGFB1 antibody, (Red), compared to an IgG isotype control, (green), and negative control (PBS), (Blue) (1:100).



Immunofluorescent staining of HeLa cells using anti-TGFB1 mouse monoclonal antibody (1:100).

Product datasheet

**Anti-TGF Beta 1/TGFB1 Antibody**  
**(Clone#OTI3B6)**

**Catalog Number: MA00019**

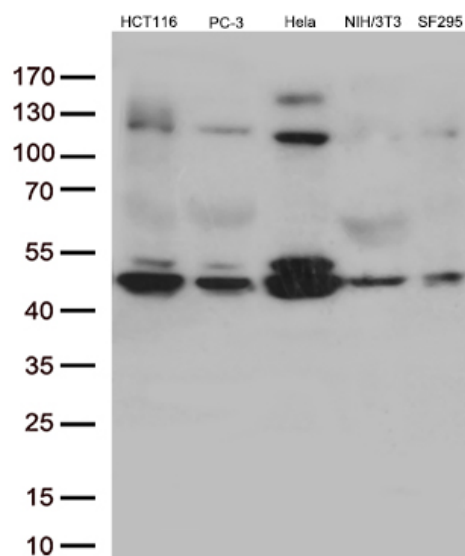
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Western blot analysis of extracts (35ug) from 5 different cell lines by using anti-TGFB1 monoclonal antibody (1:500).