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TGF beta 1 Mouse mAb

Catalog No.: A0291 6 Publications

Basic Information

Observed MW
40kDa

Calculated MW
44kDa

Category
Primary antibody

Applications
ELISA,WB,FC

Cross-Reactivity
Human

Background

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.

Recommended Dilutions

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

Immunogen Information

Gene ID
7040

Swiss Prot
P01137

Immunogen
Recombinant protein of human TGF beta 1

Synonyms
CED; LAP; DPD1; TGFB; IBDIMDE; TGFbeta; TGF-beta1; TGF beta 1

Contact

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Product Information

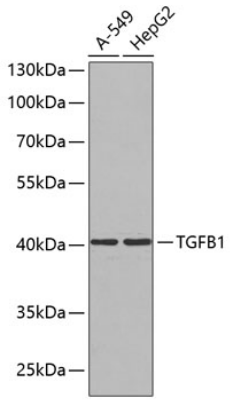
Source
Mouse

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



Western blot analysis of various lysates using TGF beta 1 Mouse mAb (A0291).
Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.

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