



Swiss-Prot No.:	P01137
Altermname:	TGFb1
Storage/Stability:	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Immunogen:	Purified recombinant fragment of human TGFb1 (AA: 62-195) expressed in E. Coli.
Purification:	Affinity purified
Reactivity:	Human
Other Names:	CED; LAP; DPD1; TGFB; TGFbeta
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
Gene ID:	7040
Cellular localization:	Extracellular matrix, Secreted
Source:	Mouse
Antibody type:	Monclonal antibody
Isotype:	Mouse IgG1
Molecular Weight:	44.3kDa
Preservative:	Purified antibody in PBS with 0.05% sodium azide
Recommended Dilutions:	WB: 1/500 - 1/2000; IHC: 1/200 - 1/1000; ICC: N/A; FCM: 1/200 - 1/400; Elisa: 1/10000
Clone Number:	3E7-G11-B7