

Mouse Monoclonal Antibody to TGFb1

Catalogue Number	sAP-0733
Target Molecule	Name: TGFb1 Aliases: CED; LAP; DPD1; TGFB; TGFbeta MW: 44.3kDa Entrez Gene ID: 7040
Description	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 up-regulated in tumor cells, and mutations in this gene result in Camurati-Engelmann disease
Immunogen	Purified recombinant fragment of human TGFb1 (AA: 62-195) expressed in E. Coli. ; ;
Recitative Species	Human
Clone	MM7F6;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
Reconstitution/Storages	Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1.Cell. 2011 Oct 28;147(3):565-76. ; 2.Kobe J Med Sci. 2011 May 11;56(6):E242-52. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**