



## TGF beta1 Mouse Monoclonal Antibody

E10-20076

**Background:** TGF beta(transforming growth factor beta), with 390-amino acid protein (about 43 kDa), is a multifunctional peptide that controls proliferation, differentiation, and other functions in many cell types. In mammals, three isoforms of TGFbeta, that is, beta1, beta2, and beta3, are known. TGF beta is one of numerous inhibitory factors produced by cancer cells that regulate antitumor immunity. TGF beta1 takes part in the local response in the course of primary lung cancer and TGFbeta1 is thought to be implicated in breast cancer progression. TGFbeta1 also plays a critical role in the downregulation of microglial responses minimizing brain inflammation and thus avoiding exacerbation of brain damage.

**Catalog Number:** E10-20076

**Amount:** 100 $\mu$ g/100 $\mu$ l

**Clone Number:** 4F9C10,1B11B7

**Species:** Mouse IgG1

**Aliases:** CED; DPD1; TGFB; TGFbeta; TGFB1

**Entrez Gene:** 7040

**Immunogen:** Purified recombinant fragment of TGF beta1 expressed in E. Coli.

**Storage:** Store at 4°C, for long term storage, store at -20°C

**Formulation:** Ascitic fluid containing 0.03% sodium azide.

**Species Reactivities:** Human

**Tested Applications:** WB, ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.

**Application notes:** WB. 1/500 - 1/2000, ELISA. Propose dilution 1/10000.

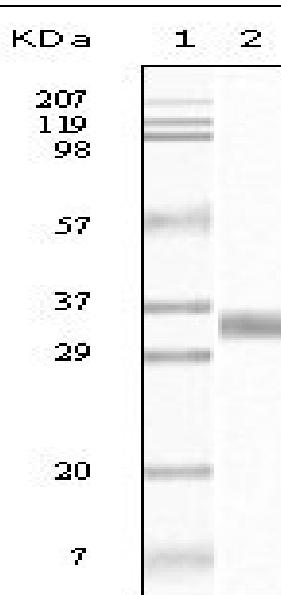


Figure 1. Western blot analysis using TGF beta1 mouse mAb against truncated TGF beta1 recombinant protein.