

## Datasheet

### TGFB1 monoclonal antibody (M06), clone 4E13

**Catalog Number:** H00007040-M06

**Regulation Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against a partial recombinant TGFB1.

**Clone Name:** 4E13

**Immunogen:** TGFB1 (NP\_000651, 279 a.a. ~ 390 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Sequence:**

ALDTNYCFSSSTEKNCCVRQLYIDFRKDLGWKWIHEPK  
GYHANFCLGPCPYIWSLDTQYSKVLALYNQHNP GASA  
APCCVPQALEPLPIVYYYVGRKPKVEQLSNMIVRSCKCS

**Host:** Mouse

**Reactivity:** Human

**Applications:** ELISA, S-ELISA

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Isotype:** IgG2a Kappa

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 7040

**Gene Symbol:** TGFB1

**Gene Alias:** CED, DPD1, TGFB, TGFbeta

**Gene Summary:** TGFB is a multifunctional peptide that controls proliferation, differentiation, and other functions in many cell types. TGFB acts synergistically with TGFA (MIM 190170) in inducing transformation. It also acts as

a negative autocrine growth factor. Dysregulation of TGFB activation and signaling may result in apoptosis. Many cells synthesize TGFB and almost all of them have specific receptors for this peptide. TGFB1, TGFB2 (MIM 190220), and TGFB3 (MIM 190230) all function through the same receptor signaling systems.[supplied by OMIM]