

TGFb1 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA3693
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human TGFb1 (AA: 62-195) expressed in E. Coli.
Mol wt	44.3kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	IHC,FCM
Concentration	N/A
Full name	N/A
Synonyms	CED;LAP;DPD1;TGFB;TGFbeta

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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

Recommended Dilution

WB: 1:500 - 1:2000

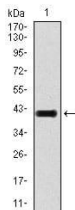
IHC-p: 1:200 - 1:1000

FCM: 1:200 - 1:400

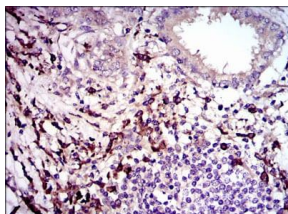
ELISA: 1:10000

Not yet tested in other applications.

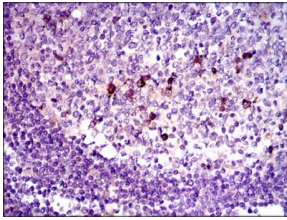
Images



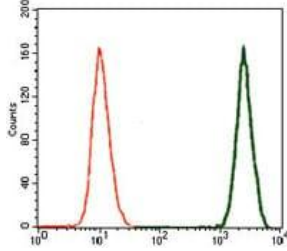
Western blot analysis using TGFb1 mAb against human TGFb1 recombinant protein. (Expected MW is 41 kDa)



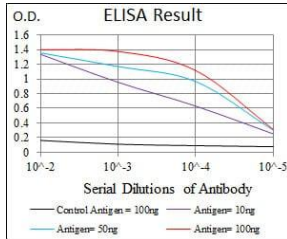
Immunohistochemical analysis of paraffin-embedded lung cancer tissues using TGFb1 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded lymphoid tissue tissues using TGFb1 mouse mAb with DAB staining.



Flow cytometric analysis of A549 cells using TGFb1 mouse mAb (green) and negative control (red).



Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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