Anti-TGF beta 1 Antibody [B2-F6]

EM1709-93

Product Type:	Mouse monoclonal IgG1, primary antibodies
Species reactivity:	Human
Applications:	WB, IHC-P, FC
Molecular Wt:	44 kDa
Clone number:	B2-F6

Description: The transforming growth factors b (TGFβ) superfamily is composed of numerous growth and differentiation factors, including TGFβ1-3. TGFβs are secreted from cells as latent complexes consisting of mature dimeric growth factor, the latency-associated propeptide (LAP) and a distinct gene product, latent TGFβ binding protein LTBP. Members of the TGF superfamily are involved in embryonic development and adult tissue homeostasis. The precursor of TGFβ is cleaved into mature TGFβ and LAP (latency associated peptide). Mature TGFβ remains associated with LAP by non-covalent interactions that block TGFβ from binding to its receptor.

Immunogen: Recombinant protein within human TGF beta 1 aa 62-195.

Positive control: Human TGF beta 1 recombinant protein, human lung tissue, human lymphoid tissue, A549.

Subcellular location: Secreted. Extracellular matrix.

Database links: SwissProt: P01137 Human

Recommended Dilutions:

WB	1:500-1:1,000
IHC-P	1:100-1:500
FC	1:100-1:200

Storage Buffer: Purified antibody in PBS with 0.05% sodium azide.

Storage Instruction: Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze/thaw cycles.

Purity: Protein A affinity purified.

Images

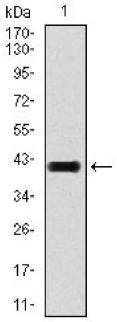

Fig1: Western blot analysis of TGF beta 1 on human TGF beta 1 recombinant protein using anti- TGF beta 1 antibody at 1/1,000 dilution.

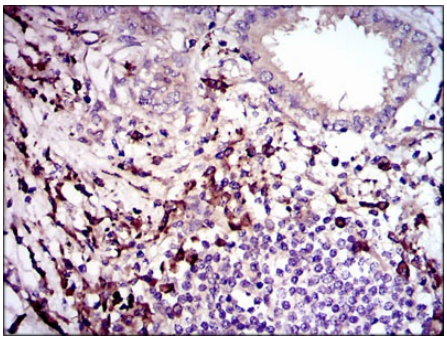

Fig2: Immunohistochemical analysis of paraffin-embedded human lung tissue using anti- TGF beta 1 antibody. Counter stained with hematoxylin.

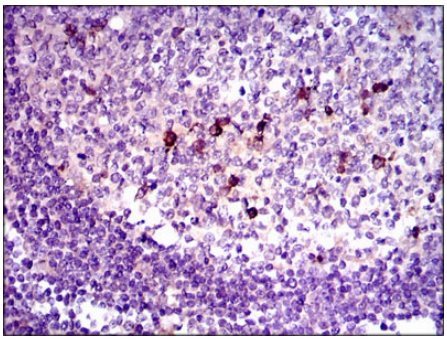

Fig3: Immunohistochemical analysis of paraffin-embedded human lymphoid tissue using anti- TGF beta 1 antibody. Counter stained with hematoxylin.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".