



TGFB1 (Transforming Growth Factor beta-1, TGF-beta-1, TGFB)

Catalog number

134380

Supplier

United States Biological

TGF beta is a multifunctional peptide that controls proliferation, differentiation, and other functions in many cell types. TGFB acts synergistically with TGFA 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. It plays an important role in bone remodeling. It is a potent stimulator of osteoblastic bone formation, causing chemotaxis, proliferation, and differentiation in committed osteoblasts.

Applications

Suitable for use in Western Blot. Other applications not tested.

Recommended Dilution

Optimal dilutions to be determined by the researcher.

AA Sequence

MPPSGLRLLLLLLPLLWLLVLTGPRPAAGLSTCKTIDMELVKRKRIEAIRGQILSKLRLASPPSQGEVPPGPLPEAVLAL
YNSTRDRVAGESAEPEPEPEADYYAKEVTRVLMVETHNEIYDKFKQSTHSIYMFNTSELREAVPEPVLLSRAELRLL
RLKLVKVEQHVELYQKYSNNSWRYLNSRLLAPSDSPEWLSFDVTGVVRQWLSRGGEIEGFRLSAHCSCDSRDNTLQ
VDINGFTTGRRGDLATIHGMNRPFLLLMATPLERAQHLQSSRHRRALDTNYCFSSTEKNCCVRQLYIDFRKDLGWK
WIHEPKGYHANFCLGPCPYIWSLDTQYSKVLALYNQHNP GASAAPCCVPQALEPLPIVYVGRKPKVEQLSNMIVRS
CKCS

Storage and Stability

May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

Immunogen

Full length human TGFB1, aa1-390 (AAH01180.1).

Formulation

Supplied as a liquid in PBS, pH 7.2.

Purity

Purified by Protein A affinity chromatography.

Specificity

Recognizes human TGFB1.

Product Type



Pab

Source

human

Isotype

IgG

Grade

Affinity Purified

Applications

WB

Crossreactivity

Hu

Storage

-20°C