

Product datasheet for **DM1046**

TGF beta 1 (TGFB1) Mouse Monoclonal Antibody [Clone ID: 2E6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2E6
Applications:	ELISA, WB
Recommended Dilution:	ELISA. Western Blot: This antibody, used at a concentration of 1-10 ng/ml, will allow visualization of 100 ng/lane of TGF-beta.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	TGF- β from human platelets
Specificity:	Western blotting demonstrated that this antibody reacts with the dimeric (25 kDa) and monomeric (12.5 kDa.) forms of TGF-beta under both non-reducing and reducing conditions respectively. This antibody recognizes both human platelet-derived and recombinant TGF-beta in ELISA.
Formulation:	0.01M PBS, pH 7.0 State: Azide Free State: Lyophilized purified IgG
Reconstitution Method:	Restore with double distilled water is recommended to adjust the final concentration to 1.00 mg/ml
Purification:	Protein G affinity purified
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	transforming growth factor beta 1
Database Link:	Entrez Gene 7040 Human P01137



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Background:

TGF beta 1 (Transforming Growth Factor Beta 1) is a multifunctional peptide capable of influencing cell proliferation, differentiation, and other functions in a wide range of cell types. Transformed as well as non neoplastic tissues, release transforming growth factors; and essentially all cells possess a specific TGF beta 1 receptor. The multimodal nature of TGF beta 1 is seen in its ability to stimulate or inhibit cellular proliferation. TGF beta 1 plays a fundamental role in tissue growth and differentiation involvement in adipogenesis, myogenesis, chondrogenesis, osteogenesis, epithelial cell differentiation and immune cell function.

The C-terminal 112 amino acids constitute the mature protein.

Synonyms:

TGFB, Transforming growth factor beta-1, TGF-beta-1