

DESCRIPTION

Specificity	Detects TGF-β2 from multiple species in ELISAs and Western blots. In ELISAs, no cross-reactivity or interference with recombinant human (rh) TGF-α, recombinant porcine TGF-β1, rhTGF-β1, recombinant canine TGF-β3, recombinant amphibian TGF-β5, rhTGF-β RII, or rhTGF-β RIII is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 8607
Purification	Protein A or G purified from ascites
Immunogen	Porcine TGF-β1.2
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 μm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	1 μg/mL	Recombinant Human TGF-β2 (Catalog # 302-B2) under non-reducing conditions only
Immunohistochemistry	8-25 μg/mL	Immersion-fixed paraffin-embedded sections of human skin and prostate cancer tissue
Human TGF-β2 Sandwich Immunoassay		Reagent
ELISA Capture	2-8 μg/mL	TGF-β2 Antibody (Catalog # MAB612)
ELISA Detection	0.1-0.4 μg/mL	TGF-β2 Biotinylated Antibody (Catalog # BAF302)
Standard		Recombinant Human TGF-β2 (Catalog # 302-B2)

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

The active form of TGF-β2 is a disulfide-linked homodimer which is generated by activation of the latent TGF-β2 complex. TGF-βs are multifunctional cytokines that activate or repress multiple genes in a wide variety of cell types. Depending on the cell context, TGF-β can control many cellular processes including growth, morphogenesis, and apoptosis.