

DESCRIPTION

Specificity	Detects TGF- β 2 from multiple species in ELISAs and Western blots. In ELISAs, no cross-reactivity or interference with recombinant human (rh) TGF- α , recombinant porcine TGF- β 1, rhTGF- β 1, recombinant canine TGF- β 3, recombinant amphibian TGF- β 5, 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- β 1.2
Formulation	Lyophilized from a 0.2 μ m filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μ m filtered solution in PBS.

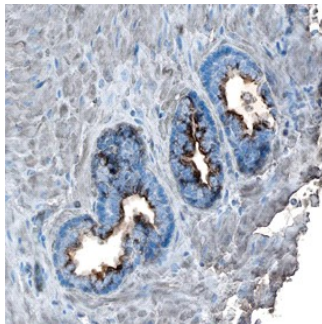
APPLICATIONS

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 μ g/mL	Recombinant Human TGF- β 2 (Catalog # 302-B2) under non-reducing conditions only
Immunohistochemistry	8-25 μ g/mL	See Below
Human TGF-β2 Sandwich Immunoassay		Reagent
ELISA Capture	2-8 μ g/mL	TGF- β 2 Antibody (Catalog # MAB612)
ELISA Detection	0.1-0.4 μ g/mL	TGF- β 2 Biotinylated Antibody (Catalog # BAF302)
Standard		Recombinant Human TGF- β 2 (Catalog # 302-B2)

DATA

Immunohistochemistry



TGF- β 2 in Human Prostate Cancer. TGF- β 2 was detected in immersion fixed paraffin-embedded sections of human prostate cancer tissue using Mouse Anti-TGF- β 2 Monoclonal Antibody (Catalog # MAB612) at 15 μ g/mL overnight at 4 °C. Tissue was stained using the Anti-Mouse HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS002) and counterstained with hematoxylin (blue). Specific staining was localized to cytoplasm in cancer cells. View our protocol for [Chromogenic IHC Staining of Paraffin-embedded Tissue Sections](#).

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- β 2 is a disulfide-linked homodimer which is generated by activation of the latent TGF- β 2 complex. TGF- β s 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.