

DESCRIPTION

Specificity	Detects TGF-β3 from multiple species in ELISAs and Western blots. In ELISAs, does not cross-react with recombinant human (rh) TGF-β1 or rhTGF-β2.
Source	Monoclonal Mouse IgG ₁ Clone # 44922
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant human TGF-β3 Ala301-Ser412 (Tyr340Phe) Accession # NP_003230.1
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

ELISA Capture (Matched Antibody Pair)	Optimal dilution of this antibody should be experimentally determined.
ELISA Detection (Matched Antibody Pair)	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

The active form of TGF-β3 is a disulfide-linked homodimer which is generated by activation of the latent TGF-β3 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.

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