

DESCRIPTION

Specificity	Detects TGF-β1 from human, mouse, rat, and other species in direct ELISAs and Western blots. In sandwich ELISAs, less than 2% cross-reactivity with recombinant human (rh) TGF-β3 and recombinant amphibian TGF-β5 and no cross-reactivity with recombinant porcine TGF-β2 or rhTGF-β2 is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 9016
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant TGF-β1 and latent TGF-β1
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *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.

	Recommended Concentration	Sample
Intracellular Staining by Flow Cytometry	0.25-1 µg/10 ⁶ cells	PC-3 human prostate cancer cell line fixed with paraformaldehyde and permeabilized with saponin

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

TGF-β1, -2, and -3 are a closely related group of proteins (70-80% sequence homology) that are produced by many cell types and function as growth and differentiation factors. The active forms of TGF-β1, -2, and -3 are disulfide-linked homodimers.

PRODUCT SPECIFIC NOTICES

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