

**DESCRIPTION**

<b>Specificity</b>	Detects TGF- $\beta$ 1 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- $\beta$ 3 and recombinant amphibian TGF- $\beta$ 5 and no cross-reactivity with recombinant porcine TGF- $\beta$ 2 or rhTGF- $\beta$ 2 is observed.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 9016
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Chinese hamster ovary cell line CHO-derived recombinant TGF- $\beta$ 1 and latent TGF- $\beta$ 1
<b>Conjugate</b>	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
<b>Formulation</b>	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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Intracellular Staining by Flow Cytometry</b>	0.25-1 $\mu$ g/10 <sup>6</sup> cells	PC-3 human prostate cancer cell line fixed with paraformaldehyde and permeabilized with saponin

**PREPARATION AND STORAGE**

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

**BACKGROUND**

TGF- $\beta$ 1, -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- $\beta$ 1, -2, and -3 are disulfide-linked homodimers.

**PRODUCT SPECIFIC NOTICES**

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