

## DESCRIPTION

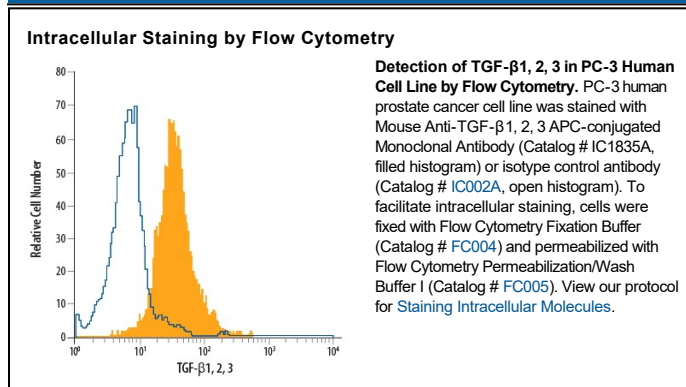
<b>Specificity</b>	Detects bovine, chicken, mouse, and human TGF- $\beta$ in ELISAs and Western blots. It recognizes human TGF- $\beta$ 1, TGF- $\beta$ 2, and TGF- $\beta$ 3.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 1D11
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Bovine bone-derived TGF- $\beta$ 1 and TGF- $\beta$ 2
<b>Conjugate</b>	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 nm
<b>Formulation</b>	Supplied 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>	10 $\mu$ L/10 <sup>6</sup> cells	See Below

## DATA



## 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.

### References:

1. Ayala A. *et al.* (1992) *FASEB J.* **6**:A1604.
2. Roberts A.B. and Sporn M.B., eds. (1990) *Peptide Growth Factors and Their Receptors I*, Springer-Verlag, 419.
3. Dasch J.R. *et al.* (1989) *J. Immunol.* **142**:1536.