

## DESCRIPTION

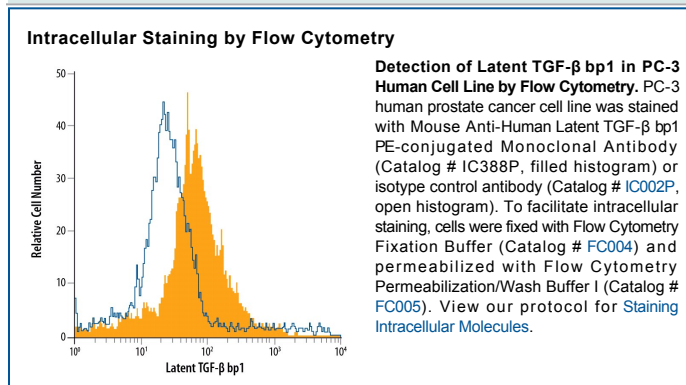
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human latent TGF- $\beta$ bp1 from the large latent TGF- $\beta$ 1 complex.
<b>Source</b>	Monoclonal Mouse IgG <sub>2B</sub> Clone # 35409
<b>Purification</b>	Protein A or G purified from ascites
<b>Immunogen</b>	Human platelet-derived large latent TGF- $\beta$ 1 complex
<b>Conjugate</b>	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 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- $\beta$  is synthesized as high molecular weight latent complexes. In platelets, the large latent TGF- $\beta$ 1 complex is composed of three components: mature TGF- $\beta$ 1 dimer; latency associated peptide; and a latent TGF- $\beta$  binding protein (LTBP) (1-3). The cDNAs for four binding proteins (LTBP-1, -2, -3 and -4) have now been cloned (4-5).

### References:

1. Miyazono, K. *et al.* (1991) EMBO J. **10**:1091.
2. Moren, A. *et al.* (1994) J. Biol. Chem. **269**:32469.
3. Yin, W. *et al.* (1995) J. Biol. Chem. **270**:10147.
4. Kanzaki, T. *et al.* (1990) Cell **61**:1051.
5. Saharinen, J. *et al.* (1998) J. Biol. Chem. **273**:18459.