

DESCRIPTION

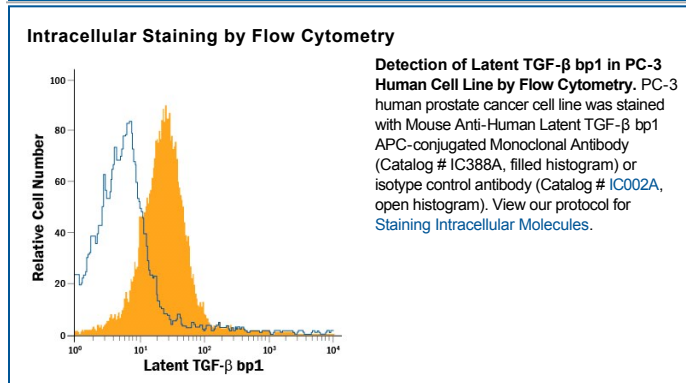
Species Reactivity	Human
Specificity	Detects human LTBP-1 from the large latent TGF- β 1 complex.
Source	Monoclonal Mouse IgG ₁ Clone # 35409
Purification	Protein A or G purified from ascites
Immunogen	Human platelet-derived large latent TGF- β 1 complex
Conjugate	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 nm
Formulation	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.

	Recommended Concentration	Sample
Intracellular Staining by Flow Cytometry	10 μ L/10 ⁶ cells	See Below

DATA



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. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

TGF- β is synthesized as high molecular weight latent complexes. In platelets, the large latent TGF- β 1 complex is composed of three components: mature TGF- β 1 dimer; latency associated peptide; and a latent TGF- β 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.