

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human LAP (TGF- β 1) in direct ELISAs. In direct ELISAs, this antibody does not cross-react with recombinant human (rh) TGF- β 1, rhTGF- β 2, rhTGF- β 1.2, rhTGF- β 3, or rhTGF- α .
Source	Monoclonal Mouse IgG ₁ Clone # 27232
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant human LAP (TGF- β 1) Leu30-Arg278 (Cys33Ser) Accession # P01137
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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
Flow Cytometry	0.25-1 μ g/10 ⁶ cells	Human platelets

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

The TGF- β family includes several related proteins (70-80% sequence homology) from mammalian, avian, or *Xenopus* systems that are now designated TGF- β 1, TGF- β 2, TGF- β 1.2, TGF- β 3, TGF- β 4, and TGF- β 5. These proteins are secreted by cells in the form of an inactive complex, referred to as latent TGF- β , that consists of TGF- β associated non-covalently with a Latency-associated peptide (LAP). These two proteins are synthesized as a single pro-peptide that is cleaved in a post Golgi compartment prior to secretion. Different TGF- β family members are naturally associated with their own distinct LAPs.

PRODUCT SPECIFIC NOTICES

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