Human LAP (TGF-β1) Alexa Fluor® 405-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 1015016

Catalog Number: FAB7754V

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human LAP (TGF-β1) in direct ELISAs.
Source	Monoclonal Mouse IgG_{2B} Clone # 1015016
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human LAP (TGF-β1) Met1-Ser390 Accession # P01137
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *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.*

ELISA	Optimal dilution of this antibody should be experimentally determined.

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. 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-β1, TGF-β2, TGF-β1.2, TGF-β3, TGF-β4, and TGF-β5. 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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