Human Latent TGF-β bp2/LTBP-2 Alexa Fluor® 647-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 327318

Catalog Number: FAB3850R

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Latent TGF-β bp2/LTBP-2 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant mouse LTMP-4 is observed.
Source	Monoclonal Mouse IgG_{2B} Clone # 327318
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Latent TGF-β bp2/LTBP-2 Gln36-Glu1821 Accession # NP_000419
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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.*

Western Blot	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

LTBP-2 is a 240 kDa member of the LTBP and fibrillin families. Unlike other LTBP, LTBP-2 is not a component of the large latent TGF-β complex. LTBP-2 is a secreted calcium-binding extracellular matrix glycoprotein of elastic tissue 10 nm microfibrils, especially in the lung. The 1786 aa mature human LTBP2 contains 20 EGF-like domains and four 8-cysteine repeats and shares 80% aa identity with mouse LTBP-2. An RGD sequence and a proline-rich sequence may mediate adhesion of melanoma cells, but for fibroblasts LTBP-2 may actually be an antiadhesion protein. *In vivo*, proteolysis by plasmin and elastase is likely and may cleave putative adhesion sites.

PRODUCT SPECIFIC NOTICES

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