

Human latent transforming growth factor beta binding protein 2 ELISA Kit | LTBP2 elisa kit

Human latent transforming growth factor beta binding protein 2, LTBP2 ELISA Kit

CATALOG #
AAA80313

REACTIVITY
Human

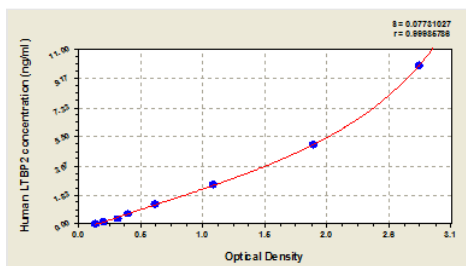
PRODUCT SYNONYMS

latent transforming growth factor beta binding protein 2; Human latent transforming growth factor beta binding protein 2; LTBP2 ELISA Kit; C14orf141; GLC3D; LTBP3; MSTP031; ; LTBP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human LTBP2. No significant cross-reactivity or interference between Human LTBP2 and analogues was observed.
Sequence Length	1821
Samples	Serum, plasma, tissue homogenates, Cell lysates
Detection Range	0.156 ng/ml-10 ng/ml
Sensitivity	0.039 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LTBP2 elisa kit	Introduction: The latent TGF-beta binding proteins (LTBP) are a family of carrier proteins. LTBP is a family of secreted multidomain proteins that were originally identified by their association with the latent form of transforming growth factors. They interact with a variety of extracellular matrix proteins and may play a role in the regulation of TGF beta bioavailability. LTBP-2 is an integral component of elastin-containing microfibrils. This protein is the largest member of the LTBP family possessing unique regions and with most similarity to the fibrillins. It has thus been suggested that it may have multiple functions: as a member of the TGF-beta latent complex, as a structural component of microfibrils, and a role in cell adhesion. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to LTBP2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for LTBP2 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain LTBP2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of LTBP2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557733
NCBI GeneID	4053
NCBI Accession #	NP_000419.1
NCBI GenBank Nucleotide #	NM_000428.2
UniProt Accession #	Q14767; Q99907; Q9NS51
Molecular Weight	195,052 Da
NCBI Official Full Name	latent-transforming growth factor beta-binding protein 2
NCBI Official Synonym Full Names	latent transforming growth factor beta binding protein 2
NCBI Official Symbol	LTBP2
NCBI Official Synonym Symbols	WMS3; GLC3D; LTBP3; MSPKA; MSTP031; C14orf141
NCBI Protein Information	latent-transforming growth factor beta-binding protein 2; LTBP-2
UniProt Protein Name	Latent-transforming growth factor beta-binding protein 2
UniProt Gene Name	LTBP2
UniProt Synonym Gene Names	C14orf141; LTBP3; LTBP-2
UniProt Entry Name	LTBP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ltbp2-human-elisa-kits/latent-transforming-growth-factor-beta-binding-protein-2/80313>