

Human Latent Transforming Growth Factor beta Binding Protein 2 (LTBP2) ELISA Kit | LTBP2 elisa kit

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CATALOG #
AAA331917

REACTIVITY
Human

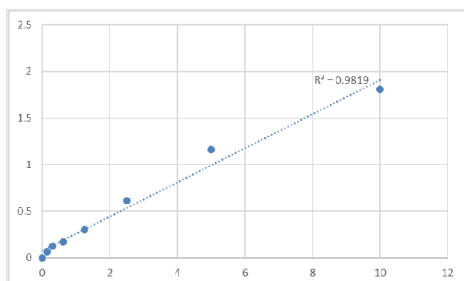
PRODUCT SYNONYMS

Latent Transforming Growth Factor beta Binding Protein 2 (LTBP2); Human Latent Transforming Growth Factor beta Binding Protein 2 (LTBP2) ELISA Kit; LTBP2; C14orf141; GLC3D; LTBP3; MSTP031; LTBP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Latent transforming growth factor beta binding protein 2 (LTBP2) ELISA Kit 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
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Latent transforming growth factor beta binding protein 2 (LTBP2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for LTBP2 elisa kit	Description: This Human Latent transforming growth factor beta binding protein 2 (LTBP2) ELISA Kit employs a two-site sandwich ELISA to quantitate LTBP2 in samples. An antibody specific for LTBP2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any LTBP2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LTBP2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of LTBP2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: LTBP2 belongs to the family of latent transforming growth factor (TGF)-beta binding proteins (LTBP), which are extracellular matrix proteins with multi-domain structure. 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.LTBP2 has approximately 45% amino acid identity to LTBP1 and 25% identity to fibrillin-1 (FBN1) but unlike other LTBP family members does not bind to latent forms of TGFB. The C-terminal region of LTBP2 competes with LTBP1 for specific binding to the N-terminal region of FBN1, but not FBN6, in microfibrils.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	296439311
NCBI GeneID	4053
UniProt Accession #	Q14767
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
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/human-elisa-kits/latent-transforming-growth-factor-beta-binding-protein-2-ltbp2/331917>