

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

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CATALOG #
AAA98433

REACTIVITY
Human

PRODUCT SYNONYMS

Latent-transforming growth factor beta-binding protein 2; Human Latent-transforming growth factor beta-binding protein 2 ELISA Kit; LTBP2/LTBP-2/C14orf141/GLC3D/latent transforming growth factor beta binding protein 2/LTBP3/chromosome 14 open reading frame 141/Latent TGF-beta bp2; LTBP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of LTBP2 . No significant cross-reactivity or interference between LTBP2 and analogues was observed.
Sequence Length	1787
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level LTBP2were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level LTBP2were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve									
Results of a typical standard run of a LTBP2 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/Annot applicable)									
X	ng/ml	0	0.156	0.312	0.625	1.25	2.5	5	10
Y	OD450	0.046	0.081	0.117	0.178	0.318	0.561	1.073	1.965

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LTBP2 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-LTBP2antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- LTBP2 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRPStreptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the LTBP2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentrat ion of LTBP2 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	347921642
NCBI GeneID	59106
NCBI Accession #	NP_067597.2
NCBI GenBank Nucleotide #	NM_021586.2
Molecular Weight	189,867 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 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	LTBP-2
UniProt Entry Name	LTBP2_RAT

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-2/98433>