

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

Human Latent Transforming Growth Factor Beta Binding Protein 2 (LTBP2) ELISA Kit

CATALOG #
AAA184895

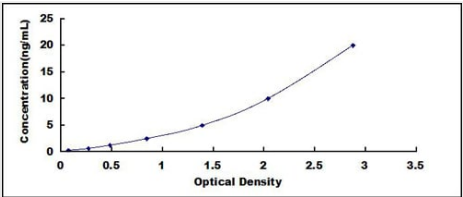
REACTIVITY
Human

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Latent Transforming Growth Factor Beta Binding Protein 2 (LTBP2). No significant cross-reactivity or interference between Latent Transforming Growth Factor Beta Binding Protein 2 (LTBP2) and analogues was observed.
Sequence Length	1,821
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Urine, Tissue Homogenates, Cell Lysates, Cell Culture Supernates and Other Biological Fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.133ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Latent Transforming Growth Factor Beta Binding Protein 2 (LTBP2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Latent Transforming Growth Factor Beta Binding Protein 2 (LTBP2) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LTBP2 elisa kit

The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Latent Transforming Growth Factor Beta Binding Protein 2 (LTBP2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Latent Transforming Growth Factor Beta Binding Protein 2 (LTBP2). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Latent Transforming Growth Factor Beta Binding Protein 2 (LTBP2), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm $\pm$ 10nm. The concentration of Latent Transforming Growth Factor Beta Binding Protein 2 (LTBP2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	50927279
NCBI GeneID	4053
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
UniProt Protein Name	Latent-transforming growth factor beta-binding protein 2
UniProt Gene Name	LTBP2
UniProt Synonym Gene Names	C14orf141; LTBP3; LTBP-2

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.