

Rat Latent transforming growth factor beta binding protein 1 ELISA Kit | LTBP1 elisa kit

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CATALOG # AAA96740	REACTIVITY Rat
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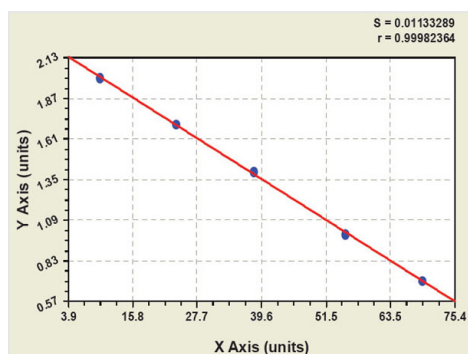
PRODUCT SYNONYMS

Latent transforming growth factor beta binding protein 1; Rat Latent transforming growth factor beta binding protein 1 ELISA Kit; LTBP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LTBP1 elisa kit

Principle of the assay: LTBP1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-LTBP1 antibody and an LTBP1-HRP conjugate. The assay sample and buffer are incubated together with LTBP1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the LTBP1 concentration since LTBP1 from samples and LTBP1-HRP conjugate compete for the anti-LTBP1 antibody binding site. Since the number of sites is limited, as more sites are occupied by LTBP1 from the sample, fewer sites are left to bind LTBP1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LTBP1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	261337173
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NCBI GeneID	4052
NCBI Accession #	NP_001159738.1
NCBI GenBank Nucleotide #	NM_001166266.1
Molecular Weight	153,006 Da
NCBI Official Full Name	latent-transforming growth factor beta-binding protein 1 isoform 5
NCBI Official Synonym Full Names	latent transforming growth factor beta binding protein 1
NCBI Official Symbol	LTBP1
NCBI Protein Information	latent-transforming growth factor beta-binding protein 1; LTBP-1; TGF-beta1-BP-1; transforming growth factor beta-1-binding protein 1
UniProt Protein Name	Latent-transforming growth factor beta-binding protein 1
UniProt Gene Name	LTBP1
UniProt Synonym Gene Names	LTBP-1; TGF-beta1-BP-1
UniProt Entry Name	LTBP1_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/ltbp1-rat-elisa-kits/latent-transforming-growth-factor-beta-binding-protein-1/96740>