

Human latent transforming growth factor beta binding protein 1 ELISA Kit | LTBP1 elisa kit

Human Latent-transforming growth factor beta-binding protein 1, LTBP1 ELISA Kit

CATALOG # AAA112836	REACTIVITY Human
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PRODUCT SYNONYMS

latent transforming growth factor beta binding protein 1; Human Latent-transforming growth factor beta-binding protein 1; LTBP1 ELISA Kit; Human Latent-transforming growth factor beta-binding protein 1 (LTBP1) ELISA kit; MGC163161; TGF-beta1-BP-1; latent-transforming growth factor beta-binding protein 1; transforming growth factor beta-1-binding protein 1; LTBP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human LTBP1. No significant cross-reactivity or interference between human LTBP1 and analogues was observed.
Sequence Length	1395
Samples	Serum, plasma, tissue homogenates
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%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
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.

ADDITIONAL INFORMATION

Related Product Information for LTBP1 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for LTBP1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any LTBP1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LTBP1 is added to the wells. After washing, avidin 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 LTBP1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	261337167
NCBI GeneID	4052
NCBI Accession #	NP_000618.3
NCBI GenBank Nucleotide #	NM_000627.3
UniProt Accession #	Q14766; P22064; Q53SD8; Q53SF3; Q53SG1; Q59HF7; Q8TD95; A1L3V1
Molecular Weight	186,796 Da

NCBI Official Full Name	latent-transforming growth factor beta-binding protein 1 isoform LTBP-1S
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://www.aaabiotech.com/ltbp1-human-elisa-kits/latent-transforming-growth-factor-beta-binding-protein-1/112836>