

Human Leprecan Like Protein 1 (LEPREL1) ELISA Kit | LEPREL1 elisa kit

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CATALOG #
AAA65294

REACTIVITY
Human

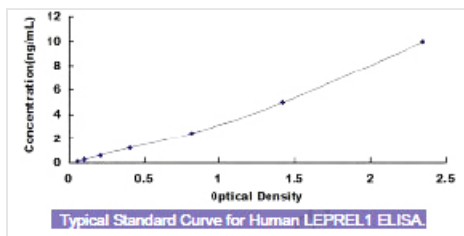
PRODUCT SYNONYMS

Leprecan Like Protein 1 (LEPREL1); Human Leprecan Like Protein 1 (LEPREL1) ELISA Kit; MLAT4; P3H2; Prolyl 3-Hydroxylase 2; Myxoid liposarcoma-associated protein 4; LEPREL1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of LEPREL1. No significant cross-reactivity or interference between LEPREL1 and analogues was observed.
Sequence Length	527
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.063ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level LEPREL1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level LEPREL1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LEPREL1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of LEPREL1 in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to LEPREL1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to LEPREL1. 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 LEPREL1, 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 +/- 10nm. The concentration of LEPREL1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	197313662
NCBI GeneID	55214
NCBI Accession #	NP_001127890.1
NCBI GenBank Nucleotide #	NM_001134418.1
UniProt Accession #	Q8IVL5; Q9NVI2; B3KPK0; B3KW19; D3DNV8
Molecular Weight	60,387 Da
NCBI Official Full Name	prolyl 3-hydroxylase 2 isoform b
NCBI Official Synonym Full Names	prolyl 3-hydroxylase 2
NCBI Official Symbol	P3H2
NCBI Official Synonym Symbols	MCVD; MLAT4; LEPREL1
NCBI Protein Information	prolyl 3-hydroxylase 2
UniProt Protein Name	Prolyl 3-hydroxylase 2
UniProt Gene Name	P3H2

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.