

Human Legumain (LGMN) ELISA Kit | LGMN elisa kit

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CATALOG #
AAA64150

REACTIVITY
Human

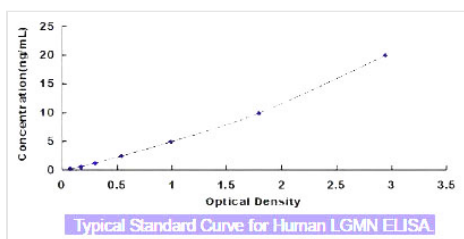
PRODUCT SYNONYMS

Legumain (LGMN); Human Legumain (LGMN) ELISA Kit; AEP; LGMN1; PRSC1; Protease; Cysteine 1; Asparaginyl endopeptidase; LGMN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of LEPR. No significant cross-reactivity or interference between LEPR and analogues was observed.
Sequence Length	433
Samples	Rat Serum, Plasma, Tissue Homogenates Or Other Biological Fluids
Assay Type	Quantitative Sandwich
Detection Range	1.56-100ng/mL
Sensitivity	0.66ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level LEPR 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 LEPR 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 LGMN elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of LEPR in rat serum, plasma, tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to LEPR. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to LEPR. 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 LEPR, 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 LEPR 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 #	56682964
NCBI GeneID	5641
NCBI Accession #	NP_001008530.1
NCBI GenBank Nucleotide #	NM_001008530.2
UniProt Accession #	Q99538; O00123; Q86TV2; Q86TV3; Q9BTY1
Molecular Weight	42,008 Da
NCBI Official Full Name	legumain preproprotein
NCBI Official Synonym Full Names	legumain
NCBI Official Symbol	LGMN
NCBI Official Synonym Symbols	AEP; LGMN1; PRSC1
NCBI Protein Information	legumain
UniProt Protein Name	Legumain
UniProt Gene Name	LGMN
UniProt Synonym Gene Names	PRSC1

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.