

Human Legumain ELISA Kit | LGMN elisa kit

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CATALOG #
AAA263349

REACTIVITY
Human

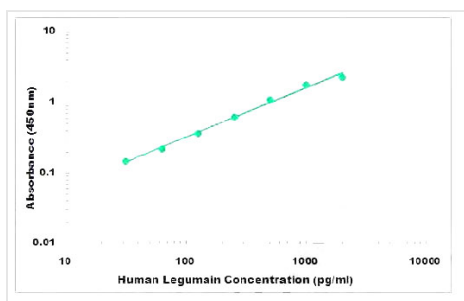
PRODUCT SYNONYMS

Legumain; Human Legumain ELISA Kit; PRSC1; Asparaginyl endopeptidase; Protease; cysteine 1; LGMN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human Legumain ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human Legumain proteins within the range of 31.2 pg/ml - 2000 pg/ml.
Sequence Length	372
Samples	Cell culture supernates, serum, plasma, cell lysates, tissue homogenates
Sensitivity	< 15 pg/ml
Preparation and Storage	Store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LGMN elisa kit

Principle of the Assay: The AAA Biotech' Human Legumain ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human Legumain in Cell Culture Supernates, Serum, Plasma, Cell Lysates, Tissue Homogenates. This assay employs an antibody specific for Human Legumain coated on a 96-well plate. Standards and samples are pipetted into the wells and Legumain present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human Legumain antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Legumain bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

Background/Introduction: Legumain is a lysosomal cysteine protease that plays a pivotal role in the endosomal/lysosomal degradation system. Legumain deficiency causes the accumulation of pro-Cathepsins B, H and L, another group of lysosomal cysteine proteases. Overexpression of Legumain in tumors is significant for invasion/metastasis. Also known as Asparaginyl Endopeptidase, it specifically cleaves peptide bonds with Asn or Asp at the P1 position.

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.

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Online datasheet: <https://www.aaabiotech.com/lgmh-human-elisa-kits/legumain/263349>