

Pig Laminin (LN) ELISA Kit | LN elisa kit

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CATALOG #
AAA149004

REACTIVITY
Pig

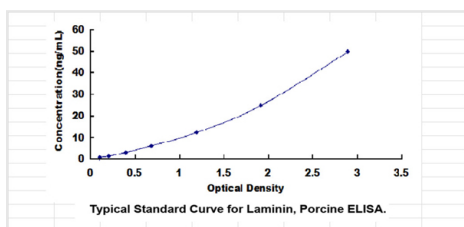
PRODUCT SYNONYMS

Laminin (LN); Pig Laminin (LN) ELISA Kit; LAM; LN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Pig
Specificity	This assay has high sensitivity and excellent specificity for detection of laminin. No significant cross-reactivity or interference between laminin and analogues was observed.
Sequence Length	1111
Assay Type	Quantitative Sandwich
Samples	Porcine serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.78-50ng/mL
Sensitivity	< 0.35ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level laminin 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 laminin were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LN elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to laminin. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to laminin. 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 laminin, 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 laminin in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of laminin in porcine serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	34232
NCBI GeneID	3918
UniProt Accession #	Q13753; Q02536; Q02537; Q13752; Q14941; Q14DF7; Q2M1N2; Q5VYE8
Molecular Weight	121,604 Da
NCBI Official Full Name	Laminin
NCBI Official Synonym Full Names	laminin subunit gamma 2
NCBI Official Symbol	LAMC2
NCBI Official Synonym Symbols	B2T; CSF; EBR2; BM600; EBR2A; LAMB2T; LAMNB2
NCBI Protein Information	laminin subunit gamma-2
UniProt Protein Name	Laminin subunit gamma-2
UniProt Gene Name	LAMC2
UniProt Synonym Gene Names	LAMB2T; LAMNB2; CSF 140 kDa subunit

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/pig-elisa-kits/laminin-ln/149004>