

Rat Laminin Alpha 1 (LAMA1) ELISA Kit | LAMA1 elisa kit

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CATALOG #
AAA183618

REACTIVITY
Rat

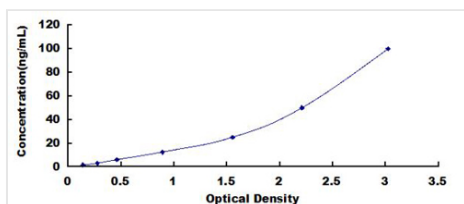
PRODUCT SYNONYMS

Laminin Alpha 1 (LAMA1); Rat Laminin Alpha 1 (LAMA1) ELISA Kit; LAM-A1; LAMA; Laminin A; S-laminin subunit alpha; LAMA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Laminin Alpha 1 (LAMA1). No significant cross-reactivity or interference between Laminin Alpha 1 (LAMA1) and analogues was observed.
Sequence Length	1
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates and Other Biological Fluids
Detection Range	1.56-100ng/mL
Sensitivity	< 0.55ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Laminin Alpha 1 (LAMA1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Laminin Alpha 1 (LAMA1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 LAMa1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Laminin Alpha 1 (LAMa1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Laminin Alpha 1 (LAMa1). 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 Alpha 1 (LAMa1), 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 Alpha 1 (LAMa1) 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 #	121945888
NCBI GeneID	284217
Molecular Weight	337,084 Da
NCBI Official Full Name	laminin alpha 1, partial
NCBI Official Synonym Full Names	laminin subunit alpha 1
NCBI Official Symbol	LAMA1
NCBI Official Synonym Symbols	LAMA; PTBHS; S-LAM-alpha
NCBI Protein Information	laminin subunit alpha-1
UniProt Protein Name	Laminin subunit alpha-1
UniProt Gene Name	LAMA1
UniProt Synonym Gene Names	LAMA; S-LAM alpha

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/rat-elisa-kits/laminin-alpha-1-lama1/183618>