

Mouse Laminin ELISA Kit | LAMA1 elisa kit

Mouse Laminin ELISA Kit

CATALOG # AAA105966	REACTIVITY Mouse	APPLICATIONS ELISA
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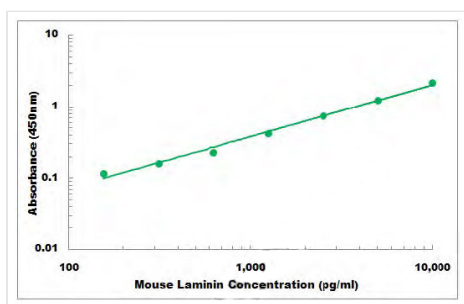
PRODUCT SYNONYMS

Laminin; Mouse Laminin ELISA Kit; LAMA; Laminin subunit alpha-1; Laminin A chain; Laminin-1 subunit alpha; Laminin-3 subunit alpha; S-laminin subunit alpha; S-LAM alpha; LAMA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	The Mouse Laminin ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Mouse Laminin proteins within the range of 156 pg/ml - 10000 pg/ml.
Sequence Length	3083
Samples	Cell culture supernatants, serum, plasma
Sensitivity	< 10 pg/ml
Applicable Applications for LAMA1 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and 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 LAMA1 elisa kit	Principle of the Assay: The AAA Biotech' Mouse Laminin ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Mouse Laminin in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Mouse Laminin coated on a 96-well plate. Standards and samples are pipetted into the wells and Laminin present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Mouse Laminin 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 Laminin bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background/Introduction: Laminin is a large basement membrane glycoprotein composed of three subunits designated the A, B1, and B2. Laminin has diverse biological functions, which include stimulating epithelial cell growth and differentiation. The nucleotide sequence of human laminin A chain has an open reading frame encoding 3075-amino acids. The human laminin A chain is at locus 18p11.3. The nucleotide sequence of the human laminin B1 reveals a 5358-base pair open reading frame that potentially codes for 1786 amino acids, including 20 amino acids of a presumptive signal peptide. The gene for the human laminin-B1 chain has been localized to chromosome 7, band q31. The B2 chain consists of six distinct domains, including two domains with alpha-helical, coiled-coil structures, two domains with cysteine-rich homologous repeats, and two globular domains. The amino acid sequences of the B2 and B1 chains demonstrate considerable homology. The human laminin B2 chain gene maps to the long arm of chromosome 1 in the band q31.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	117168301
NCBI GeneID	16772
NCBI Accession #	NP_032506.2
NCBI GenBank Nucleotide #	NM_008480.2
UniProt Accession #	P19137; P02469; P02468
Molecular Weight	338,172 Da
NCBI Official Full Name	laminin subunit alpha-1
NCBI Official Synonym Full Names	laminin, alpha 1
NCBI Official Symbol	Lama1
NCBI Official Synonym Symbols	Lama; AA408497
NCBI Protein Information	laminin subunit alpha-1; S-LAM alpha; laminin A chain; S-laminin subunit alpha; laminin-1 subunit alpha; laminin-3 subunit alpha
UniProt Protein Name	Laminin subunit alpha-1
UniProt Gene Name	Lama1
UniProt Synonym Gene Names	Lama; Lama-1; S-LAM alpha
UniProt Entry Name	LAMA1_MOUSE

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/lama1-mouse-elisa-kits/laminin/105966>