

Human Laminin ELISA Kit | LAMA1 elisa kit

Human Laminin PicoKine ELISA Kit

CATALOG #
AAA45321

REACTIVITY
Human

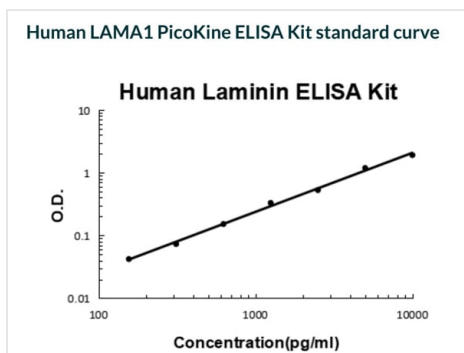
PRODUCT SYNONYMS

Laminin; Human Laminin PicoKine ELISA Kit; Laminin subunit alpha-1; Laminin subunit alpha-2; Laminin subunit beta-1; Laminin subunit beta-2; laminin; alpha 1; alpha 2; beta 1; beta 2(laminin S); Lamb2; LAMB2_HUMAN; LAMC1; LAMC2; LAMC3; laminin A; Laminin B; Laminin B1s chain; Laminin gamma 1; Laminin gamma 2; Laminin gamma 3; Laminin-11 subunit beta; Laminin-14 subunit beta; Laminin-15 subunit beta; Laminin-3 subunit beta; Laminin-4 subunit beta; Laminin-7 subunit beta; Laminin-9 subunit beta; OCCM; S-LAM beta; S-laminin subunit beta; LAMA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human LAMA1; LAMB1; LAMC1
Sequence Length	1,668
Samples	Cell culture supernatants, cell lysates and serum
Detection Range	156 pg/ml - 10,000 pg/ml
Sensitivity	<10 pg/ml
Intra-assay Precision	Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LAMA1 elisa kit	Background: Laminin is a large basement membrane glycoprotein composed of three subunits designated the A, B1, and B2.1 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.2 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. Principle of the Assay: The Picokine™ Human LAMA1; LAMB1; LAMC1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human LAMA1; LAMB1; LAMC1 with a 96-well strip plate that is pre-coated with antibody specific for LAMA1; LAMB1; LAMC1. The detection antibody is a biotinylated antibody specific for LAMA1; LAMB1; LAMC1. The capture antibody is polyclonal antibody from rabbit and the detection antibody is polyclonal antibody from rabbit. The kit contains recombinant Human LAMA1; LAMB1; LAMC1 with immunogen: Expression system for standard: from human fibroblasts. The kit is analytically validated with ready-to-use reagents. To measure Human LAMA1; LAMB1; LAMC1, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human LAMA1; LAMB1; LAMC1 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human LAMA1; LAMB1; LAMC1 in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GeneID	3909
UniProt Accession #	B0YJ33; Q13679; Q13680; Q6VU67; Q6VU68; Q6VU69; Q76E14; Q96TG0; Q16787
Molecular Weight	184,054 Da
NCBI Official Synonym Full Names	laminin, alpha 3
NCBI Official Symbol	LAMA3
NCBI Official Synonym Symbols	E170; LOCS; BM600; LAMNA; lama3a
NCBI Protein Information	laminin subunit alpha-3; BM600 150kD subunit; nicein 150kD subunit; nicein subunit alpha; kalinin 165kD subunit; kalinin subunit alpha; epiligrin subunit alpha; laminin-5 alpha 3 chain; laminin-5 subunit alpha; laminin-6 subunit alpha; laminin-7 subunit alpha; epiligrin 170 kda subunit; epiligrin alpha 3 subunit; laminin, alpha 3 (nicein (150kD), kalinin (165kD), BM600 (150kD), epilegrin)
UniProt Protein Name	Laminin subunit alpha-3
UniProt Gene Name	LAMA3
UniProt Synonym Gene Names	LAMNA; E170
UniProt Entry Name	LAMA3_HUMAN

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.