Human Laminin subunit alpha-3(LAMA3) ELISA kit

Product Code	CSB-EL012727HU
Abbreviation	LAMA3
Protein Biological Process 1	Cell Adhesion
Target Name	laminin, alpha 3
Uniprot No.	Q16787
Alias	BM600, E170, LAMNA, LOCS, lama3a, BM600 150kD subunit|epiligrin 170 kda subunit|epiligrin alpha 3 subunit|kalinin 165kD subunit|laminin alpha 3 subunit|laminin, alpha 3 (nicein (150kD), kalinin (165
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Cell adhesion
Sample Types	serum, plasma, tissue homogenates
Detection Range	9.4 ng/mL-600 ng/mL
Sensitivity	2.35 ng/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Cardiovascular
Gene Names	LAMA3
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human LAMA3 ELISA Kit was designed for the quantitative measurement of Human LAMA3 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 9.4 ng/mL-600 ng/mL and the sensitivity is 2.35 ng/mL.
Target Details	Laminins are basement membrane components thought to mediate the attachment, migration and organization of cells into tissues during embryonic development by interacting with other extracellular matrix components. This protein is the alpha-3 subunit of laminin 5, which is a complex glycoprotein composed of three subunits (alpha, beta, and gamma). Laminin 5 is thought to be involved in cell adhesion, signal transduction and differentiation of

keratinocytes. Mutations in this gene have been identified as the cause of Herlitz type junctional epidermolysis bullosa. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene.

Product Precision

Intra-assay Precision (Precision within an assay): CV%<8%

Three samples of known concentration were tested twenty times on one plate to assess.

Inter-assay Precision (Precision between assays): CV%<10%

Three samples of known concentration were tested in twenty assays to assess.

Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of human LAMA3 in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

?	Sample	Serum(n=4)
1:5	Average %	97
	Range %	89-101
1:10	Average %	106
	Range %	100-110
1:20	Average %	93
	Range %	86-96
1:40	Average %	107
	Range %	92-111

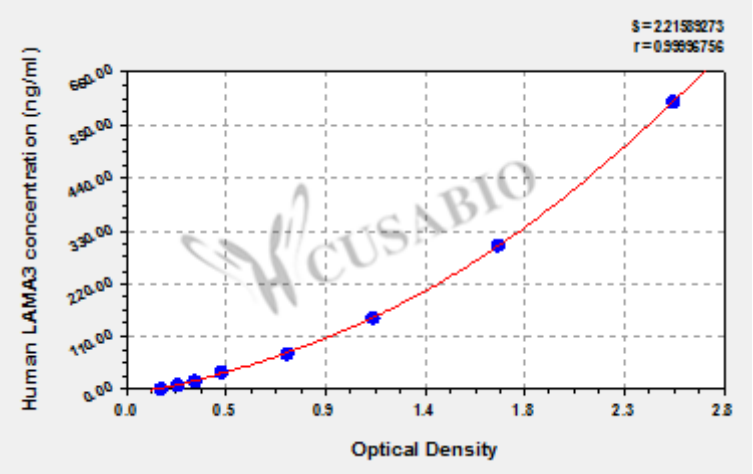
Recovery

The recovery of human LAMA3 spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	102	95-107
EDTA plasma (n=4)	104	98-108

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



ng/ml	OD1	OD2	Average	Corrected
600	2.492	2.566	2.529	2.355
300	1.743	1.708	1.726	1.552
150	1.169	1.124	1.147	0.973
75	0.762	0.745	0.754	0.580
37.5	0.440	0.467	0.454	0.280
18.75	0.323	0.333	0.328	0.154
9.4	0.244	0.251	0.248	0.074
0	0.172	0.175	0.174	?

Msds

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