

Human Laminin Beta 1 (LAMb1) ELISA Kit | LAMb1 elisa kit

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CATALOG #
AAA183099

REACTIVITY
Human

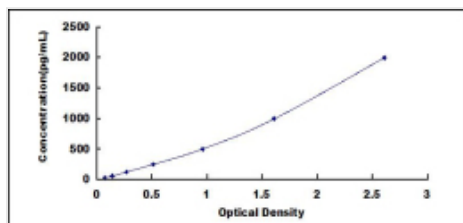
PRODUCT SYNONYMS

Laminin Beta 1 (LAMb1); Human Laminin Beta 1 (LAMb1) ELISA Kit; LAM-B1; CLM; Cutis Laxa With Marfanoid Phenotype; LAMb1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Laminin Beta 1 (LAMb1). No significant cross-reactivity or interference between Laminin Beta 1 (LAMb1) and analogues was observed.
Sequence Length	1788
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates and Other Biological Fluids
Detection Range	31.2-2000pg/mL
Sensitivity	< 13.7pg/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 Beta 1 (LAMb1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Laminin Beta 1 (LAMb1) 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 LAMb1 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 Beta 1 (LAMb1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Laminin Beta 1 (LAMb1). 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 Beta 1 (LAMb1), 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 Beta 1 (LAMb1) 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 #	24582614
NCBI GeneID	34068
NCBI Accession #	NP_723319.1
NCBI GenBank Nucleotide #	NM_164773.3
UniProt Accession #	P11046; Q26328; Q6AWM6; Q8SWY0; Q9VLW6; Q9XZT4; A4V0D8
Molecular Weight	198,333 Da
NCBI Official Full Name	LanB1, isoform B
NCBI Official Symbol	LanB1
NCBI Official Synonym Symbols	BcDNA:LD21794; beta1; CG7123; CT22015; DmelCG7123; EP-600; Lam-B1; lamB1; LamB1; Lambeta; laminin; Lan B1; LanB; LM-B1/beta; mspl
NCBI Protein Information	CG7123 gene product from transcript CG7123-RA
UniProt Protein Name	Laminin subunit beta-1
UniProt Gene Name	LanB1
UniProt Synonym Gene Names	lamB1

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.