

Human Laminin Alpha 4 (LAMA4) ELISA Kit | LAMA4 elisa kit

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CATALOG #
AAA66163

REACTIVITY
Human

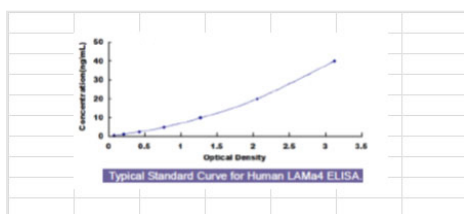
PRODUCT SYNONYMS

Laminin Alpha 4 (LAMA4); Human Laminin Alpha 4 (LAMA4) ELISA Kit; LAM-A4; LAMA3; LAMA4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of LAMA4. No significant cross-reactivity or interference between LAMA4 and analogues was observed.
Sequence Length	1823
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	0.625-40ng/mL
Sensitivity	0.238ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level LAMA4 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level LAMA4 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LAMa4 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of LAMa4 in human serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to LAMa4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to LAMa4. 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 LAMa4, 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 LAMa4 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 #	380503843
NCBI GeneID	3910
NCBI Accession #	NP_001098676.2
NCBI GenBank Nucleotide #	NM_001105206.2
UniProt Accession #	Q16363; Q14731; Q14735; Q15335; Q4LE44; Q5SZG8; Q9BTB8; Q9UE18; Q9UJN9
Molecular Weight	12,819 Da
NCBI Official Full Name	laminin subunit alpha-4 isoform 1
NCBI Official Synonym Full Names	laminin subunit alpha 4
NCBI Official Symbol	LAMA4
NCBI Official Synonym Symbols	LAMA3; CMD1JJ; LAMA4*-1
NCBI Protein Information	laminin subunit alpha-4
UniProt Protein Name	Laminin subunit alpha-4
UniProt Gene Name	LAMA4

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.