

Human Laminin ELISA Kit | LAMC2 elisa kit

Laminin Human ELISA Kit

CATALOG # AAA59020	REACTIVITY Human	APPLICATIONS ELISA
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PRODUCT SYNONYMS

Laminin; Laminin Human ELISA Kit; Human Laminin; LAMC2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Human serum, plasma, body fluids, tissue lysates or cell culture supernatants.
Assay Type	Quantitative Sandwich
Sensitivity	< 10 pg/ml
Applicable Applications for LAMC2 elisa kit	ELISA
Preparation and Storage	Store at 2-8 degree C for 4 months, or at -20 degree C for 8 months.

IMAGES

Typical Data & Standard Curve
Results of a typical standard run of a Human Laminin ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A-not applicable)

X	Pg/ml	0	156	312	625	1250	2500	5000	10,000
Y	OD450	0.052	0.093	0.137	0.201	0.349	0.612	1.129	2.213

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LAMC2 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Laminin polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Laminin polyclonal antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Laminin amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Laminin can be calculated.

Background/Introduction: Laminins are major proteins in the basal lamina, a protein network foundation for most cells and organs. Fifteen laminin trimers have been identified. The laminins are combinations of different alpha-, beta-, and gamma-chains. The laminins are an important and biologically active part of the basal lamina, influencing cell differentiation, migration, adhesion as well as phenotype and survival. Recently, several publications have demonstrated that laminins can be used to culture cells, such as pluripotent stem cells, that are difficult to culture on other substrates. Rodin et al. showed that recombinant laminin 511 can be used to create a totally xeno-free and defined cell culture environment to culture human pluripotent ES cells and human iPS cells.

NCBI AND UNIPROT INFORMATION

NCBI GI #	34230
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NCBI GeneID	3918
UniProt Accession #	Q13753; Q02536; Q02537; Q13752; Q14941; Q14DF7; Q5VYE8
Molecular Weight	130,976 Da
NCBI Official Full Name	Laminin
NCBI Official Synonym Full Names	laminin, gamma 2
NCBI Official Symbol	LAMC2
NCBI Official Synonym Symbols	B2T; CSF; EBR2; BM600; EBR2A; LAMB2T; LAMNB2
NCBI Protein Information	laminin subunit gamma-2; BM600-100kDa; laminin B2t chain; CSF 140 kDa subunit; nicein subunit gamma; kalinin subunit gamma; ladsin 140 kDa subunit; epiligrin subunit gamma; cell-scattering factor 140 kDa subunit; large adhesive scatter factor 140 kDa subunit
UniProt Protein Name	Laminin subunit gamma-2
UniProt Gene Name	LAMC2
UniProt Synonym Gene Names	LAMB2T; LAMNB2; CSF 140 kDa subunit
UniProt Entry Name	LAMC2_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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/laminin/59020>