

Human Laminin subunit gamma-2 (LAMC2) ELISA Kit

Catalog No: #EK10155



Package Size: #EK10155-1 48T #EK10155-2 96T

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Description

Product Name	Human Laminin subunit gamma-2 (LAMC2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	B2T; BM600; CSF; EBR2; EBR2A; LAMB2T; LAMNB2; MGC138491; MGC141938; BM600-100kDa cell-scattering factor (140kDa) epiligrin kalinin (105kD) kalinin-105kDa ladsin (140kDa) laminin; gamma 2 (nicein (10
Accession No.	Q13753
Uniprot	Q13753
GeneID	3918;
Storage	<p>The stability of ELISA 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.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:15.6-1000 pg/mL

Sensitivity:6.7 pg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate LAMC2 in samples. An antibody specific for LAMC2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyLAMC2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LAMC2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of LAMC2 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:LAMC2 is the gamma chain isoform laminin, gamma 2. The gamma 2 chain, formerly thought to be a truncated version of beta chain (B2t), is highly homologous to the gamma 1 chain; however, it lacks domain VI, and domains V, IV and III are shorter. It is expressed in several fetal tissues but differently from gamma 1, and is specifically localized to epithelial cells in skin, lung and kidney. The gamma 2 chain together with alpha 3 and beta 3 chains constitute laminin 5, which is an integral part of the anchoring filaments that connect epithelial cells to the underlying basement membrane. The epithelium-specific expression of the gamma 2 chain implied its role as an epithelium attachment molecule, and mutations in this gene have been associated with junctional epidermolysis bullosa, a skin disease characterized.

Note: This product is for in vitro research use only