



[Go to Product page](#)

Datasheet for ABIN6719702

Laminin ELISA Kit

1 Image

Overview

Quantity:	1 kit
Target:	Laminin (LN)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Lysate, Cell Culture Supernatant, Plasma (EDTA - heparin), Serum, Tissue Homogenate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: Lamb2, LAMB2_HUMAN, LAMC1, LAMC2, LAMC3, laminin A, Laminin B, Laminin B1s chain, Laminin gamma 1, Laminin gamma 2, Laminin gamma 3, Laminin subunit beta-2, Laminin-11 subunit beta, Laminin-14 subunit beta, Laminin-15 subunit beta, Laminin-3 subunit beta, Laminin-4 subunit beta, Laminin-7 subunit beta, Laminin-9 subunit beta, OCCM, S-LAM beta, S-laminin subunit beta</p> <p>Background: Laminin is a large basement membrane glycoprotein composed of three subunits designated the A, B1, and B2.1 Laminin has diverse biological functions, which include</p>

Product Details

stimulating epithelial cell growth and differentiation. The nucleotide sequence of human laminin A chain has an open reading frame encoding 3075-amino acids. The human laminin A chain is at locus 18p11.3. The nucleotide sequence of the human laminin B1 reveals a 5358-base pair open reading frame that potentially codes for 1786 amino acids, including 20 amino acids of a presumptive signal peptide.² The gene for the human laminin-B1 chain has been localized to chromosome 7, band q31. The B2 chain consists of six distinct domains, including two domains with alpha-helical, coiled-coil structures, two domains with cysteine-rich homologous repeats, and two globular domains. The amino acid sequences of the B2 and B1 chains demonstrate considerable homology. The human laminin B2 chain gene maps to the long arm of chromosome 1 in the band q31. The standard product used in this kit is isolated from plasma.

Gene Name: LAMA1, LAMA2, LAMB1, LAMB2

Production: Natural human Laminin. There is no detectable cross-reactivity with other relevant proteins.

Standard: from human fibroblasts

Target Details

Target: Laminin (LN)

Alternative Name: Laminin ([LN Products](#))

Gene ID: 3909

NCBI Accession: [NP_000218](#)

UniProt: [Q16787](#)

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL human Laminin standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human Laminin standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 156pg/mL-10000pg/mL

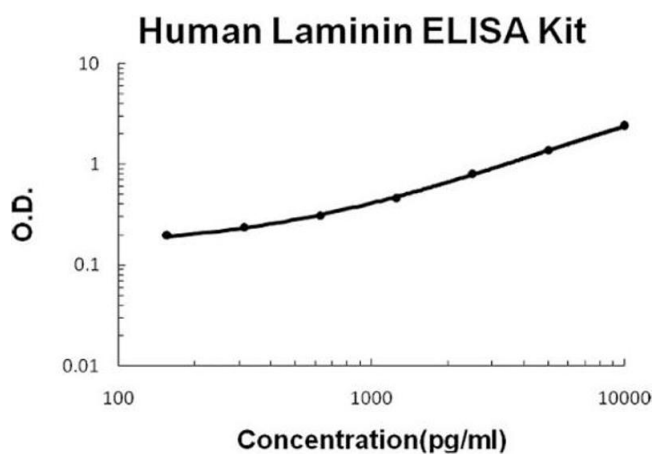
Application Details

Sample Volume:	100 μ L
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	RT, 4 °C, -20 °C
Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images



ELISA

Image 1. Human Laminin Accusignal ELISA Kit Human Laminin AccuSignal ELISA Kit Standard curve. Assay Range: 156pg/ml-10000pg/ml. Sensitivity: <10pg/ml.