

ARG82325 Rat Laminin ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82325-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82325-002	Standard	2 X 10 ng/vial	4°C
ARG82325-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82325-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82325-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82325-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82325-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82325-008	25X Wash buffer	20 ml	4°C
ARG82325-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82325-010	STOP solution	10 ml (Ready to use)	4°C
ARG82325-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82325 Rat Laminin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat Laminin in serum, plasma (EDTA, heparin) and cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Target Name	Laminin
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	78 pg/ml
Sample Type	Serum, plasma (EDTA, heparin) and cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 6.2% Inter-Assay CV: 7.5%

Alternate Names	S-LAM-alpha; LAMA; Laminin-1 subunit alpha; PTBHS; Laminin-3 subunit alpha; S-LAM alpha; S-laminin subunit alpha; Laminin A chain; Laminin subunit alpha-1
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Application Instructions

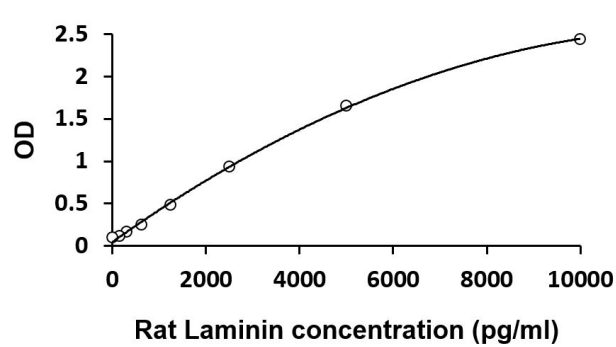
Assay Time	~ 5 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	LAMA1
Gene Full Name	laminin, alpha 1
Background	This gene encodes one of the alpha 1 subunits of laminin. The laminins are a family of extracellular matrix glycoproteins that have a heterotrimeric structure consisting of an alpha, beta and gamma chain. These proteins make up a major component of the basement membrane and have been implicated in a wide variety of biological processes including cell adhesion, differentiation, migration, signaling, neurite outgrowth and metastasis. Mutations in this gene may be associated with Poretti-Boltshauser syndrome. [provided by RefSeq, Sep 2014]
Function	Binding to cells via a high affinity receptor, laminin is thought to mediate the attachment, migration and organization of cells into tissues during embryonic development by interacting with other extracellular matrix components. [UniProt]
Highlight	Related products: Laminin antibodies ; Laminin ELISA Kits ; Laminin recombinant proteins ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Tyrosine phosphorylated by PKDCC/VLK. [UniProt]
Cellular Localization	Secreted, extracellular space, extracellular matrix, basement membrane. Note=Major component. [UniProt]



ARG82325 Rat Laminin ELISA Kit standard curve image

ARG82325 Rat Laminin ELISA Kit results of a typical standard run with optical density reading at 450 nm.