



Rabbit Anti-Laminin alpha 1/FITC Conjugated antibody

SL4973R-FITC

Product Name:	Anti-Laminin alpha 1/FITC
Chinese Name:	FITC标记的层粘蛋白 α 1抗体
Alias:	LAMA; LAMA1; Laminin A chain; Laminin subunit alpha-1; Laminin-1 subunit alpha; Laminin-3 subunit alpha; S-laminin subunit alpha; S-LAM alpha; Laminin subunit alpha-1; LAMA1_HUMAN; Laminin-1 subunit alpha; Laminin-3 subunit alpha.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Cow,Rabbit,
Applications:	ICC=1:50-200IF=1:50-200 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	337kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Laminin
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail:	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.

Subunit:

Laminin is a complex glycoprotein, consisting of three different polypeptide chains (alpha, beta, gamma), which are bound to each other by disulfide bonds into a cross-shaped molecule comprising one long and three short arms with globules at each end. Alpha-1 is a subunit of laminin-1 (laminin-111 or EHS laminin) and laminin-3 (laminin-121 or S-laminin).

Subcellular Location:

Secreted, extracellular space, extracellular matrix, basement membrane. Note=Major component.

Similarity:

Contains 17 laminin EGF-like domains.
Contains 5 laminin G-like domains.
Contains 2 laminin IV type A domains.
Contains 1 laminin N-terminal domain.

Database links:

[Entrez Gene: 10319](#)Human

[Entrez Gene: 284217](#)Human

[Entrez Gene: 3908](#)Human

[Entrez Gene: 3912](#)Human

[Entrez Gene: 3913](#)Human

[Entrez Gene: 3915](#)Human

[Entrez Gene: 3918](#)Human

[Entrez Gene: 16772](#)Mouse

[Entrez Gene: 316758](#)Rat

[Omim: 150320](#)Human

[SwissProt: P07942](#)Human

[SwissProt: P24043](#)Human

[SwissProt: P25391](#)Human

[SwissProt: P55268](#)Human

[SwissProt: Q9Y6N6](#)Human

[SwissProt: P19137](#)Mouse

[SwissProt: Q9R0B6](#)Mouse

[Unigene: 201805](#)Human

[Unigene: 270364](#)Human

[Unigene: 302362](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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