

## Rat Laminin ELISA Kit | LAMB2 elisa kit

Rat Laminin ELISA Kit

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| CATALOG #<br><b>AAA105869</b> | REACTIVITY<br><b>Rat</b> | APPLICATIONS<br><b>ELISA</b> |
|-------------------------------|--------------------------|------------------------------|

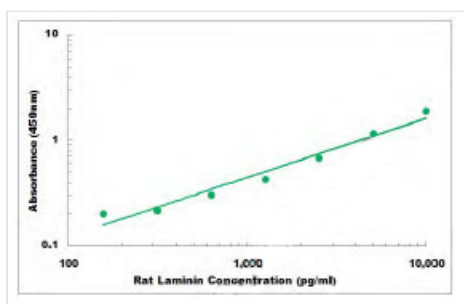
### PRODUCT SYNONYMS

Laminin; Rat Laminin ELISA Kit; LAMS; Laminin subunit beta-2; Laminin B1s chain; 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; S-laminin subunit beta; S-LAM beta; LAMB2 elisa kit

### PRODUCT SPECIFICATIONS

|                                             |                                                                                                                                                                                            |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                  | Rat                                                                                                                                                                                        |
| Specificity                                 | The Rat Laminin ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Rat Laminin proteins within the range of 156 pg/ml - 10000 pg/ml. |
| Sequence Length                             | 1801                                                                                                                                                                                       |
| Samples                                     | Cell Culture Supernatants, Serum, Plasma                                                                                                                                                   |
| Sensitivity                                 | 10 pg/ml.                                                                                                                                                                                  |
| Applicable Applications for LAMB2 elisa kit | ELISA (Sandwich ELISA)                                                                                                                                                                     |
| Preparation and Storage                     | Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.                                                                                |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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| Related Product Information for LAMB2 elisa kit | <p>Principle of the Assay: The Rat Laminin ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Rat Laminin in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Rat Laminin coated on a 96-well plate. Standards and samples are pipetted into the wells and Laminin present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Rat Laminin antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Laminin bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.</p> <p>Background/Introduction: Laminin is a large basement membrane glycoprotein composed of three subunits designated the A, B1, and B2. Laminin has diverse biological functions, which include 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. 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.</p> |
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NCBI AND UNIPROT INFORMATION

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|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 6981142                                                                                                                                                                                                                                                                       |
| NCBI GeneID                      | 25473                                                                                                                                                                                                                                                                         |
| NCBI Accession #                 | NP_037106.1                                                                                                                                                                                                                                                                   |
| NCBI GenBank Nucleotide #        | NM_012974.1                                                                                                                                                                                                                                                                   |
| UniProt Accession #              | P15800                                                                                                                                                                                                                                                                        |
| Molecular Weight                 | 196,474 Da                                                                                                                                                                                                                                                                    |
| NCBI Official Full Name          | laminin subunit beta-2                                                                                                                                                                                                                                                        |
| NCBI Official Synonym Full Names | laminin, beta 2                                                                                                                                                                                                                                                               |
| NCBI Official Symbol             | Lamb2                                                                                                                                                                                                                                                                         |
| NCBI Official Synonym Symbols    | SLAM                                                                                                                                                                                                                                                                          |
| NCBI Protein Information         | laminin subunit beta-2; S-LAM beta; laminin chain B3; laminin chain beta 2; S-laminin subunit beta; laminin-3 subunit beta; laminin-4 subunit beta; laminin-7 subunit beta; laminin-9 subunit beta; laminin-11 subunit beta; laminin-14 subunit beta; laminin-15 subunit beta |
| UniProt Protein Name             | Laminin subunit beta-2                                                                                                                                                                                                                                                        |
| UniProt Gene Name                | Lamb2                                                                                                                                                                                                                                                                         |
| UniProt Synonym Gene Names       | S-LAM beta                                                                                                                                                                                                                                                                    |
| UniProt Entry Name               | LAMB2_RAT                                                                                                                                                                                                                                                                     |

**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.