

## Rat Laminin ELISA Kit (2 plates)

**Catalogue No.:** BEK-2055-2P

**Description:** The rat Laminin Kit is a sandwich ELISA. The capture antibody is a monoclonal rat Laminin antibody pre-coated onto the 96-well strip plates provided in the kit. Rat test samples and standards of known Laminin concentration are added to these wells and allowed to complex with the bound Laminin antibody. A biotinylated rat Laminin polyclonal antibody is then added. This detection antibody binds to the antigen thus completing the sandwich. After washing, an enzyme Avidin-Biotin-Peroxidase complex (ABC) is added which binds to the second antibody. The peroxidase substrate TMB is added to induce a coloured reaction product. The intensity of this coloured product is directly proportional to the concentration of Laminin present in the samples. The purpose of this kit is the in-vitro quantitative determination of rat Laminin in samples such as sera, plasma, tissue lysates and cell culture supernates. This kit has been configured for research use only and is not to be used in diagnostic or clinical procedures.

**Batch No.:** See product labels

**Antigen:** Laminin is a large (900 kDa) complex extracellular glycoprotein and a major component of the basement membrane. Laminin is thought to mediate the attachment, migration, and organization of cells into tissues during embryonic development by interacting with other extracellular matrix components. Laminin is composed of three different polypeptide chains; alpha, beta and gamma which are bound to each other by disulphide bonds into a cross-shaped molecule. Isoforms have been detected for all three chains. The different combinations of the alpha, beta and gamma chains give rise to at least 15 laminin heterotrimers.

**Other Names:** LAMA; LAMA1;

**Accession:** P15800 LAMB2\_RAT;

**Specificity:** Rat Laminin

**Storage:** Store at 2-8C

**Kit components:** The ELISA kit box contains 2 x 96-well pre-coated strip plates, protein standards, detection reagents, substrate buffer and detailed protocols.

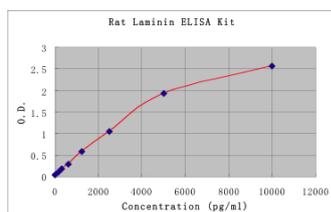
**Range:** 156 pg/mL - 10,000 pg/mL

**Sensitivity:** < 10 pg/ml

**Kit protocol:** Please refer to our online product listing for current protocol/MSDS versions.

*Typical Rat Laminin ELISA Kit Standard Curve*  
(TMB reaction incubated at 37°C for 12 min)

Concentration (pg/ml)	0.0	156	313	625	1250	2500	5000	10,000
O.D.	0.043	0.115	0.183	0.397	0.591	1.050	1.926	2.573



This standard curve is for demonstration purposes only. A standard curve should be generated for each assay.

FOR RESEARCH USE ONLY