

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### Laminin $\beta$ -1 (D1742) Peptide

Cat No.: BS2415P

#### Background

Laminins are essential and abundant structural non-collagenous glycoproteins localizing to basement membranes. Basement membranes (cell-associated extracellular matrices (ECMs)) are polymers of Laminins with stabilizing type IV collagen networks, nidogen and several proteoglycans. Basement membranes are found under epithelial layers, around the endothelium of blood vessels and surrounding muscle, peripheral nerve and fat cells. Formation of basement membranes influences cell proliferation, phenotype, migration, gene expression and tissue architecture. Each Laminin is a heterotrimer of  $\alpha$ ,  $\beta$  and  $\gamma$  chain subunits that undergoes cell-secretion and incorporation into the ECM. Laminins can self-assemble and bind to other matrix macromolecules, and have unique and shared cell interactions mediated by Integrins, dystroglycan and cognate Laminin receptors. The human Laminin  $\gamma$ -1 gene maps to chromosome 1q31 and is ubiquitously expressed in tissues that produce basement membranes.

#### Swiss-Prot

P07942

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS2415 Laminin  $\beta$ -1 (D1742) pAb.

#### Purification & Purity

Synthetic peptide Laminin  $\beta$ -1 (D1742). (Note: the amino acid sequence is proprietary). The purity is > 98%.

#### Product

1 mg/ml in DI water.

#### Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term.

Avoid freeze-thaw cycles.

#### Research Use

For research use only, not for use in diagnostic procedure.

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