



Mouse Laminin

Cat. No.	Format	Size
1415-01	Purified Protein - Solution	1.0 mg

Overview

Source	Engelbreth-Holm-Swarm (EHS) sarcoma
Purification	Salt precipitation
Purity	> 95% by SDS-PAGE
Alternate Name(s)	Laminin-111

Description

Laminins, a family of extracellular matrix glycoproteins, are a major component of basement membranes consisting of an α -chain, a β -chain, and a γ -chain. Laminins have been implicated in a numerous biological activities including cell migration, adhesion, and differentiation.

Applications

ELISA – Quality tested ¹
Cell Culture – Reported in literature ²⁻⁷

Handling and Storage

- The purified protein is supplied as a solution of 1.0 mg laminin in 1.0 mL of 0.4 M NaCl, 0.05 M Tris-HCl, pH 7.4, containing protease inhibitors. Store at 2-8°C.
- Reagent is stable for the period shown on the label if stored as directed.

References

1. Xia Y, Pawar RD, Nakouzi AS, Herlitz L, Broder A, Liu K, et al. The constant region contributes to the antigenic specificity and renal pathogenicity of murine anti-DNA antibodies. *J Autoimmun.* 2012;39:398-411. (ELISA)
2. Xue F, Janzen DM, Knecht DA. Contribution of filopodia to cell migration: a mechanical link between protrusion and contraction. *Int J Cell Biol.* 2010;2010:507821. (Cell Culture)
3. Junglas B. Untersuchungen zur molekularen funktion des connective tissue growth factor im trabekelwerk [dissertation]. Regensburg (Germany) Universität Regensburg; 2010. (Cell Culture)
4. van Veen JE. Repulsive axonal pathfinding requires the Ena/VASP family of actin regulatory proteins in vertebrates [dissertation]. Cambridge (USA): Massachusetts Institute of Technology; 2012. (Cell Culture)
5. Taylor-Weiner H, Schwarzbauer JE, Engler AJ. Defined extracellular matrix components are necessary for definitive endoderm induction. *Stem Cells.* 2013;31:2084-94. (Cell Culture)
6. Lemieux MG, Janzen D, Hwang R, Roldan J, Jarchum I, Knecht DA. Visualization of the actin cytoskeleton: different F-actin-binding probes tell different stories. *Cytoskeleton.* 2014;71:157-69. (Cell Culture)
7. Taylor-Weiner H, Ravi N, Engler AJ. Traction forces mediated by integrin signaling are necessary for definitive endoderm specification. *J Cell Sci.* 2015;128:1961-8. (Cell Culture)

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