

CULTREX[®] Product Data

For Research Use Only. Not For Use In Diagnostic Procedures

Mouse Laminin I, PathClear[®]

Catalog #: 3400-010-02

Size: 1 mg

Description: This highly purified preparation of mouse laminin I increases cell adhesion, migration, growth, and differentiation. It is composed of $\alpha 1\beta 1\gamma 1$ chains with a total Mr of 800,000 and is used for coating culture dishes.

Source: Murine Engelbreth-Holm-Swarm (EHS) tumor.

Storage Buffer: Dulbecco's Modified Eagle's Medium with 10 μ g/ml gentamycin sulfate.

Storage: Store at -20°C or -80°C in a manual defrost freezer.

Purity: Purity >90% by SDS-PAGE.

Specifications:

Functional Assays:

- Supports the attachment (at least 50%) of MG63 human osteosarcoma cells to a laminin-coated plate at a coating solution concentration of 20 μ g/ml.

Sterility Testing:

- No bacterial or fungal growth detected after incubation at 37°C for 14 days following USP XXIV, Chapter 71 sterility testing.
- PathClear[®]: Negative by PCR test for mycoplasma, 17 bacterial and virus strains typically included in mouse antibody production (MAP) testing, plus 13 additional murine infectious agents, for a total of 31 organisms and viruses.
- Endotoxin concentrations < 20 EU/ml by LAL assay.

Coating procedure:

The recommended working concentration is 0.05-10 μ g/cm² of growth surface (0.05 -20 μ g/ml) depending on cell type.

A. Thaw stock solution on ice for several hours. In a laminar flow hood, dilute appropriately with cold serum-free, cell culture medium. Mix and transfer to the wells of tissue culture plates. Spread the solution to completely cover the bottom of the wells.

B. The following table is a guide for the suggested volumes required per well:

<u>Plate type/</u>	<u>Volume Laminin per Well</u>
6 wells (or 35 mm dish)	2 ml
24 wells	1 ml
48 wells	200 μ l
96 wells	100 μ l

C. Incubate the plates at 37°C from 4 hours to overnight. In the laminar flow hood, remove excess liquid from the wells of the tissue culture plate.

D. Rinse the wells once with cell culture medium and then add your cells.

Related Products:

Catalog#	Description	Size
3455-024-K	Cultrex [®] 24 Well BME Cell Invasion Assay	24 inserts
3460-024-K	CultreCoat [®] 24 well BME-coated Cell Invasion Assay	24 inserts
3465-024-K	Cultrex [®] 24 Well Cell Migration Assay	24 inserts
3465-096-K	Cultrex [®] 96 Well Cell Migration Assay	96 samples
3455-096-K	Cultrex [®] BME Cell Invasion Assay	96 samples
3456-096-K	Cultrex [®] Laminin I Cell Invasion Assay	96 samples
3457-096-K	Cultrex [®] Collagen I Cell Invasion Assay	96 samples
3458-096-K	Cultrex [®] Collagen IV Cell Invasion Assay	96 samples

Accessories:

Catalog#	Description	Size
3446-005-01	Cultrex [®] 3-D Culture Matrix [™] Laminin I	5 ml
3440-100-01	Cultrex [®] Rat Collagen I	100 mg
3442-050-01	Cultrex [®] Bovine Collagen I	50 mg
3447-020-01	Cultrex [®] 3-D Culture Matrix [™] Collagen I	100 mg
3410-010-01	Cultrex [®] Mouse Collagen IV	1 mg
3430-005-02	Cultrex [®] BME with Phenol Red, PathClear [®]	5 ml
3431-005-02	Cultrex [®] BME with Phenol Red, Growth Factor Reduced PathClear [®]	5 ml
3432-005-02	Cultrex [®] BME, PathClear [®]	5 ml
3433-005-02	Cultrex [®] BME Growth Factor Reduced, PathClear [®]	5 ml
3445-048-01	Cultrex [®] 3-D Culture Matrix [™] BME	15 ml
3430-005-01	Cultrex [®] BME with Phenol Red	5 ml
3432-005-01	Cultrex [®] BME, no Phenol Red	5 ml

Reference:

Kleinman H.K. 1999. The Laminins. Proc. Indian Acad. Sci. (Chem.Sci.), 111:179-1841.



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Cat#: 3400-010-02
Storage: \leq -20 °C
(Manual Defrost)
1-800-873-8443