

iMatrix-511

Product No. 892 001 350 µg
Product No. 892 002 1,050 µg

Version 003

Store at 2-30 °C

Store dry and protect from light

Background Information

Laminin-511 is well known to bind to the integrin $\alpha 6 \beta 1$ which is located on the cell surface. iMatrix-511 is recombinant Laminin511-E8 fragments.

Content

Recombinant Human Laminin511-E8 Fragments

Amount

175 µg / tube (892 001: 2 tubes, 892 002: 6 tubes)

Contents

Lyophilized powder

※Add 350 µL of sterile tissue culture grade water to make 20 mM phosphate buffered saline (pH 7.0).

Product Information

iMatrix-511 is recombinant human Laminin511-E8 fragments expressed by CHO-S cell (Life Technologies).

Storage and Stability

The lyophilized powder is stable at +2 to +30 °C until the expiration date printed on the label. Store dry and protected from light.

Reconstructed iMatrix-511 (0.5mg/mL) is stable at 4 °C for 1 month.

Activity

The dissociation constant of the binding activity with integrin $\alpha 6 \beta 1$ is under 10 nM.

Application

iMatrix-511 is able to use as cell culture substrate for various cell types including ES/iPS cells.

Procedure

- 1) Add 350 µL of sterile tissue culture grade water to make 500 µg/mL solution.
 - 2) Dilute the solution with PBS(-). Coat dishes with 0.5 µg/cm².
* The optimum coating concentration depends on cell lines from 0.1 to 1.5 µg/cm².
** For example, when you use 6-well plate (9.6 cm²/well), add 10 µL iMatrix-511 (500 µg/mL) and 1.99 mL PBS(-) for 1 well (2.4 µg/mL, 2 mL/well).
 - 3) Incubate for 3 h at room temperature or over night at 4 °C.
 - 4) Remove excess fluid from the coated surface.
 - 5) Immediately plate the cells at desired density.
- *Keep from drying out the plate after coated.

References

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Regulatory Disclaimer

For life science research only. Not for use in diagnostic procedures.

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