iMatrix-511

Product No. AMS.892 011 350 µg
Product No. AMS.892 012 1,050 µg

Version 009
Store at 2-15℃
Protect from light

Background Information

Laminin-511 is well known to bind to the integrin α6β1 which is located on the cell surface. iMatrix-511 is recombinant Laminin511-E8 fragments.

Content

Recombinant Human Laminin511-E8 Fragments

Amount

175 µg / tube (892 011: 2 tubes, 892 012: 6 tubes)

Concentration

0.5 mg / mL

Form

Liquid solution (solvent: PBS(-))

Product Information

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

Storage and Stability

The liquid solution is stable at +2 to +15 ℃ until the expiration date printed on the label.
Protect from light.
iMatrix-511 is stable at 4 °C
for 2 years from the manufacturing date.

Activity

The dissociation constant of the binding activity with integrin α6β1 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) Dilute the solution with sterile PBS(-). Coat dishes with 0.5 µg/cm^2.
* For example, for one well of a 6-well plate (9.6 cm^2 /well), add 9.6 µL of iMatrix-511 (4.8 µg) in 1.99 mL of PBS(-).
Add 2 mL of diluted iMatrix-511 solution to the well.
2) Incubate for 1 h at 37 °C, 3 h at room temperature, or over night at 4 °C.
3) Remove remaining fluid from the coated surface. No rinse is needed.
4) Immediately plate the cells at desired density.
* Don't allow the plate to dry.
* Briefly spin down all liquid in the tube before use.
* Avoid repeated freeze-thaw cycles.

References

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Regulatory Disclaimer

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

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