

多篇参考文献引用!!

iMatrix-511

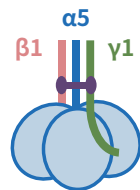


ES/iPS/MSC维持&扩增培养用

支持向神经、视网膜、角膜分化

产品有两个版本: **CHO-S细胞表达, 安全性高** VS **蚕茧表达, 科研性价比首选**

iMatrix-511是高纯度重组人类Laminin511-E8片段, 具有和全长Laminin 511具有一样的整合素蛋白结合活性, 可取代全长Laminin使用。用于**胚胎干细胞 (ES)**, **诱导性多能干细胞 (iPS)** 和**间充质干细胞 (MSCs)** 的维持和扩增。



Laminin-511 E8 fragment

Concentration	0.5 mg/mL (±10%)	Mycoplasma Test	Negative
Purity (SDS PAGE)	> 95%	Sterility Test	Negative
Endotoxin Test	< 5 EU/mg	Integrin Binding Assay	≤ 10 nM

革新性干细胞培养方法

- 无需饲养层
- 低密度接种、单细胞传代
- 高扩增效率
- 包被法、悬浮法通用

ECM包被法

- Step 1 — 用无菌PBS稀释iMatrix-511
- Step 2 — 以0.5 μg/cm²包被 (根据细胞类型进行优化, 推荐范围0.1~1.5 μg/cm²)
- Step 3 — 按如下条件之一培养:
37°C 1 h; 室温3 h; 4°C过夜
- Step 4 — 除去液体, 不要洗涤, 按1~2×10⁴ cells/cm²密度铺板

ECM悬浮法

- Step 1 — 传代时加入iMatrix-511与细胞悬液混合 (推荐浓度: 0.25 μg/cm²)
- Step 2 — 按1~2×10⁴ cells/cm²密度铺板

无需预包装, 省时省料

众多文献支持!

https://matrixome.co.jp/en/paper-new

imatrix-511

文献搜索 700+用户文献

高分期刊刊载文献引用 Nature IF:69.5

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文献列表

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经测试, 可兼容的培养基:

- NutriStem XF/FF Culture Medium for Human iPS and ES Cells
- StemMACS iPS-Brew XF
- Essential 8 medium
- mTeSR1 medium
- StemPro hESC SFM
- StemFit medium
- TeSR2

产品编号	产品名称	包装
385-07361	iMatrix-511 solution(0.5 mg/mL)	175 µg × 2
381-07363	CHO-S细胞表达, 安全性高	175 µg × 6
387-10131	iMatrix-511 Silk 转基因蚕茧来源	175 µg × 6

CHO-S来源的iMatrix-511可提供GMP级别, 支持干细胞临床转化应用。

上述试剂仅供实验研究用, 不可用作“医药品”、“食品”、“临床诊断”等。

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富士胶片和光(广州)贸易有限公司

广州市越秀区先烈中路69号东山广场30楼3002-3003室
 北京 Tel: 13611333218 上海 Tel: 021 62884751
 广州 Tel: 020 87326381 香港 Tel: 852 27999019
 询价: wkgz.info@fujifilm.com
 官网: labchem.fujifilm-wako.com.cn

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