



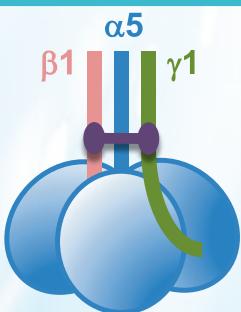
Easy iMatrix-511

No dilution necessary

手軽さを「体験」してください。

本製品は、希釀せずにそのまま使用できるプレートコーティング液です。

使用方法



ラミニン511活性断片

Easy iMatrix-511 を希釀せず、
そのまま培養容器にコーティングします。

	iMatrix-511	iMatrix-511Silk
製造由来原料	遺伝子組み換えCHO-S細胞	遺伝子組み換えカイコ生産系
精製原料	CHO-S細胞培養上精	カイコが生産した“繭”
製品グレード		試験研究用
導入遺伝子		ヒトラミニン511-E8断片

参考文献

Ido H et al. The requirement of the glutamic acid residue at the third position from the carboxyl termini of the laminin γ chains in integrin binding by laminins. *Journal of Biological Chemistry*, **282**(15), 11144-11154. 2007

Taniguchi Y et al. The C-terminal region of laminin β chains modulates the integrin binding affinities of laminins. *Journal of Biological Chemistry*, **284**(12), 7820-7831. 2009

Miyazaki T et al. Laminin E8 fragments support efficient adhesion and expansion of dissociated human pluripotent stem cells. *Nature communications*, **3**, 1236. 2012

Nakagawa M et al. A novel efficient feeder-free culture system for the derivation of human induced pluripotent stem cells. *Scientific Reports*, **4**, 3594. 2014

Doi D et al. Isolation of human induced pluripotent stem cell-derived dopaminergic progenitors by cell sorting for successful transplantation. *Stem cell reports*, **2**(3), 337-350. 2014

Takashima Y et al. Resetting transcription factor control circuitry toward ground-state pluripotency in human. *Cell*, **158**(6), 1254-1269. 2014

Fukuta M et al. Derivation of mesenchymal stromal cells from pluripotent stem cells through a neural crest lineage using small molecule compounds with defined media. *PLoS One*, **9**(12), e112291. 2014

Burridge PW et al. Chemically defined generation of human cardiomyocytes. *Nature methods*, **11**(8), 855-860. 2014

Okumura N et al. Laminin-511 and-521 enable efficient in vitro expansion of human corneal endothelial cells laminin-511 and-521 enable expansion of HCECs. *Investigative ophthalmology & visual science*, **56**(5), 2933-2942. 2015

Sasaki K et al. Robust in vitro induction of human germ cell fate from pluripotent stem cells. *Cell stem cell*, **17**(2), 178-194. 2015

Hayashi R et al. Co-ordinated ocular development from human iPS cells and recovery of corneal function. *Nature*, **531**(7594), 376-380. 2016

Matsuno K et al. Redefining definitive endoderm subtypes by robust induction of human induced pluripotent stem cells. *Differentiation*, **92**(5), 281-290. 2016

Nishimura K et al. Estradiol facilitates functional integration of iPSC-derived dopaminergic neurons into striatal neuronal circuits via activation of integrin $\alpha 5\beta 1$. *Stem cell reports*, **6**(4), 511-524. 2016

Takayama K et al. Laminin 411 and 511 promote the cholangiocyte differentiation of human induced pluripotent stem cells. *Biochemical and biophysical research communications*, **474**(1), 91-96. 2016

Samata B et al. Purification of functional human ES and iPSC-derived midbrain dopaminergic progenitors using LRTM1. *Nature communications*, **7**, 13097. 2016

Ishikawa T et al. Genetic and pharmacological correction of aberrant dopamine synthesis using patient iPSCs with BH4 metabolism disorders. *Human Molecular Genetics*, ddx339. 2016

Miyazaki T et al. Efficient adhesion culture of human pluripotent stem cells using laminin fragments in an uncoated manner. *Scientific Reports*, **7**, 41165. 2017

Goparaju, S. K et al. Rapid differentiation of human pluripotent stem cells into functional neurons by mRNAs encoding transcription factors. *Scientific Reports*, **7**, 42367. 2017

商品名	精製原料	商品コード	容量
Easy iMatrix-511	iMatrix-511 (CHO-S細胞培養上清) iMatrix-511silk (カイコが生産した繭)	892 018 892 024	100 mL 100 mL
(100 mLで6 wellプレート約16枚分)			

製造・開発元

nippi 株式会社 ニッピ

〒120-8601 東京都足立区千住緑町1-1-1 TEL. 03-3888-5184
<http://www.nippi-inc.co.jp> E-mail: protein-info@nippi-inc.co.jp

IBL 株式会社 免疫生物研究所

〒375-0005 群馬県藤岡市中字東田1091-1
<http://www.ibl-japan.co.jp/>

販売元

MATRIXOME 株式会社 マトリクソーム

〒565-0871 大阪府吹田市山田丘3番2号
 大阪大学蛋白質研究所共同研究拠点棟
 TEL. 06-6877-0002
 E-mail: info@matrixome.co.jp
<http://www.matrixome.co.jp/>

