HMy2

302008

GENERAL INFORMATION

Description

HMy2 □胞系是一种人 B 淋巴母□胞□胞系，来源于一个成年人。该□胞系最初是为研究人类 B □胞功能、淋巴瘤和免疫反应而建立的。HMy2 □胞能产生多种免疫球蛋白和□胞因子，是研究 B □胞活化、分化和淋巴恶性肿瘤分子机制的绝佳模型。

HMy2 □胞表现出 B 淋巴母□胞的典型特征，如核与□胞质比率高，存在表明 B □胞系的表面标志物，包括 CD19 和 CD20。众所周知，这些□胞还能表达 HLA-DR 抗原，因此适合进行与抗原呈递和免疫反应调节相关的研究。研究人员经常在涉及基因表达、转染和杂交瘤技术的实验中使用 HMy2 □胞，从而推动了治疗性抗体开发和癌症免疫疗法的发展。

Tissue	造血
Disease	浆□胞白血病

Applications

杂交瘤融合伴侣、B □胞表面抗原分析、□胞毒性药物测试、突变分析、□胞凋亡机制分析、HLA 标准。

Synonyms

- LICR-Lon-HMy-2
- LICR-LON-HMy2
- LICR.LON.HMy2
- Licr.Lon.Hmy2
- LICRLON/My2
- HMy.2 B
- LICR-2

CLASSIFICATION

Organism	Human
Sex	Female
Growth properties	Suspension
Biosafety level	1

CHARACTERISTICS

Morphology	圆形电池
Cell type	淋巴母□胞

Karyotype

46、低二倍体

IDENTIFIERS

Citation

HMy2（Cytion 目录号 302008）

NCBI TaxID	9606
Cellosaurus	CVCL_8119

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Local court Mannheim - HRB 714394
CEO / Geschäftsführer: Jonathan Steubing

Banking information
Sparkasse Heidelberg
IBAN: DE35 6725 0020 0009 2076 86
BIC: SOLADES1HDB

HANDLING AND CULTURE

Culture medium

RPMI 1640□w□2.0 mM □□□□□□□w□2.0 g/L NaHCO3□Cytion □□□□ 820700a□□

Incubation atmosphere	37°C, 5%CO2, □□□□□

Supplements

□□□□□□□ 10% FBS

Subculturing

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Seeding density	1 × 10⁵ □□□/□□
Fluid renewal	□ 3 □ 5 □
Post-thaw recovery	□□

Thawing and culturing

Confirm that the vial remains deeply frozen upon delivery, as cells are shipped on dry ice to maintain optimal temperatures during transit.
Upon receipt, either store the cryovial immediately at temperatures below -150°C to ensure the preservation of cellular integrity, or proceed to step 3 if immediate culturing is required.
For immediate culturing, swiftly thaw the vial by immersing it in a 37°C water bath with clean water and an antimicrobial agent, agitating gently for 40-60 seconds until a small ice clump remains.
Perform all subsequent steps under sterile conditions in a flow hood, disinfecting the cryovial with 70% ethanol before opening.
Carefully open the disinfected vial and transfer the cell suspension into a 15 ml centrifuge tube containing 8 ml of room-temperature culture medium, mixing gently.
Centrifuge the mixture at 300 x g for 3 minutes to separate the cells and carefully discard the supernatant containing residual freezing medium.
Gently resuspend the cell pellet in 10 ml of fresh culture medium. For adherent cells, divide the suspension between two T25 culture flasks; for suspension cultures, transfer all the medium into one T25 flask to promote effective cell interaction and growth.
Adhere to established subculture protocols for continued growth and maintenance of the cell line, ensuring reliable experimental outcomes.

QUALITY CONTROL AND CRYOPRESERVATION

Sterility

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Freeze medium	□□□□□□□□□□□□□□□ FBS□+10% DMSO □ CM-1□Cytion □□□□□□ 800100□□□□□□□□□ □□□□□□□□□□□□□□□□□CM-1□Cytion □□□□□□ 800100□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□

Storage conditions

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Shipping conditions

□□ -78 °C □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

DONOR

Donor age	33 □
Ethnicity	□□□□

LEGAL AND SAFETY

Safety precautions

计划将低温样品储存在液氮中以便将来解冻时，必须遵守严格的安全措施。在将冷冻样本移入或移出液氮罐时，必须穿戴适当的防护手套和防护服，并使用面罩或安全护目镜。这样做是为了降低在移出时因冷冻样品爆炸而造成伤害的风险，因为爆炸可能导致锋利的碎片飞溅。

Warranty

在Cytion，我们保证产品的质量和活力。
我们保证，从我们的工厂发货后 60 天内，我们的□胞在开始培养时都是存活的。
我们保证所有材料均符合分析证书和/或产品说明书中描述的规格。
有关详□信息，请参阅我们的 <a href="" /Who-we-are/Warranty/"" hreflang=""x-default"">保修声明。

Material Transfer Agreement required	Yes

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