SU-DHL-8

305877

GENERAL INFORMATION

Description

SU-DHL-8□一种源自成人患者的人类弥漫性大B细胞淋巴瘤（DLBCL）细胞系。该细胞系代表DLBCL中的活化B细胞样（ABC）亚型，其特征为NF-κB信号通路的持续激活，且相较于生发中心B细胞样（GCB）亚型，通常预后更差。 形态学上， SU-DHL-8细胞在悬浮培养中形成大型松散粘附聚集体，符合 B细胞淋巴瘤表型特征。

分子特征分析显示，SU-DHL-8携带与ABC-DLBCL相关的常见突变，包括影响B细胞受体（BCR）和NF-κB信号通路的改变。通过新一代测序和表达分析进行的基因组测序，已识别出JAK/STAT和BCL2相关抗凋亡信号通路等通路的活性升高。 该细胞系还参与了多项大规模药物基因组学研究及癌症模型库项目，被用于探索药物敏感性（特别□激酶抑制剂和蛋白酶体靶向剂）。这些特性使SU-DHL-8成为研究ABC型DLBCL分子发病机制及治疗靶点的代表性模型。

Tissue	胸腔积液
Disease	弥漫大 B 细胞淋巴瘤生殖中心 B 细胞型

Synonyms

- SUDHL8
- SUDHL-8
- SuDHL 8
- Stanford University-Diffuse Histiocytic Lymphoma-8
- DHL-8
- DHL8

CLASSIFICATION

Organism	Human
Sex	Male
Growth properties	Suspension
Biosafety level	1

CHARACTERISTICS

Morphology	淋巴母细胞样
Cell type	B 淋巴细胞
Doubling time	~48-72 小时

IDENTIFIERS

Citation

SU-DHL-8（Cytion 目录编号 305877）

NCBI TaxID	9606
Cellosaurus	CVCL_2207

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

EXPRESSION AND SUSCEPTIBILITY

Antigen expression

Ig+; IgM-, IgG-, IgA-, IgD-, Lambda-, Kappa-

Mutational profile

□□□KMT2D□□□□□p.Pro648Thrfs*2□c.1940dupC□□c.1940_1941insC□□□□□Cosmic-CLP=1331038□□TP53□□□□p.Tyr234Asn □c.700T>A□□□□□□Cosmic-CLP=1331038□□TP53□□□□p.Arg249Gly□c.745A>G□□□□□□Cosmic-CLP=1331038□

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

Dissociation reagent	□
Seeding density	0.3-0.5 × 10^6 □□/□□
Fluid renewal	□□ 2 □ 3 □

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	59 □

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Ethnicity	高加索人

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 □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。

Disclaimer

我们提供的细胞仅用于体外实验室研究目的，不用于临床或诊断用途，也不得用于人类或兽医目的。用户必须遵守在研究环境中处理和使用这些细胞的所有适用准则和法规。

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，我们的细胞在开始培养时都 □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。

有关详细信息，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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