WIL2

302011

GENERAL INFORMATION

Description

Wil2 □一种源自成年供体外周血 B 淋巴细胞的人 B 淋巴母细胞样细胞系，随后通过爱泼斯坦-巴尔病毒（EBV）转化而获得永生化。作为一种EBV阳性的悬浮细胞系，Wil2表现出活化B细胞的特征性表现，包括持续增殖、表达 B细胞表面标志物以及合成免疫球蛋白的能力。这些细胞以单细胞或小簇形式在悬浮液中生长，通常在添加血清的标准淋巴细胞培养条件下维持。

表型上，Wil2细胞表达典型的B细胞谱系标志物（如CD19、CD20和表面免疫球蛋白），同时还表达由EBV潜伏基因表达诱导的激活相关标志物。 EBV环状DNA的存在驱动细胞增殖并支持长期培养，使该细胞系成为研究病毒潜伏、 B细胞激活及宿主-病毒相互作用的有用模型。此外，Wil2已被用于免疫学和分子生物学研究，重点关注转化 B淋巴细胞中的抗体产生、抗原呈递及信号转导通路。

尽管Wil2□典型的EBV转化B细胞模型，但与其相比，针对其详细遗传背景和功能特异性的已发表数据仍相对有限，而其他淋巴母细胞样细胞系的表征则更为详尽。建议研究人员在各自的实验背景下验证具体的表型或功能特性，并查阅最新数据库或原始文献以获取最前沿的表征数据。

Tissue	脾
Disease	遗传性球形红细胞症

Synonyms

- WIL-2
- Wil.2
- WI-L2
- Wi-L2

CLASSIFICATION

Organism	Human
Sex	Male
Growth properties	Suspension
Biosafety level	1

CHARACTERISTICS

Cell type	B 淋巴细胞

Karyotype

46、低二倍体

IDENTIFIERS

Citation

WIL2（Cytion 目录号 302011）

NCBI TaxID	9606
Cellosaurus	CVCL_6544

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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	□□ 2 □
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	5 □
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 □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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