OCI-AML2

305609

GENERAL INFORMATION

Description

OCI-AML2 [illegible] (AML) [illegible] ([illegible] FAB M1) [illegible] AML [illegible] OCI-AML2 [illegible]

[illegible] OCI-AML2 [illegible] AML [illegible]

[illegible] FLT3, MEK/ERK [illegible] PI3K/AKT/mTOR [illegible] AML [illegible] OCI-AML2 [illegible] (personalized medicine) [illegible] AML [illegible] OCI-AML2 [illegible] (AML) [illegible]

Tissue	[illegible]
Disease	[illegible]

Synonyms

- OCI/AML-2
- OCIAML-2
- OCI-AML2
- OCI/AML2
- OCI AML2
- OCIAML2
- AML-2
- Ontario Cancer Institute-Acute Myeloid Leukemia-2

CLASSIFICATION

Organism	Human
Sex	Male
Growth properties	Suspension
Biosafety level	1

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Banking information
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CHARACTERISTICS

Morphology	□ซลล์ □ดี่ยว มีรูปทรงกลมถึง □ูปไข่
Cell type	□ซลล์ □ยื่อบุผิว
Doubling time	30 ชั่วโมง

IDENTIFIERS

Citation

OCI-AML2 (หมาย □ลขในแคตตาล็อก Cytion 305609)

NCBI TaxID	9606
Cellosaurus	CVCL_1619

EXPRESSION AND SUSCEPTIBILITY

Antigen expression

CD3-, CD4+, CD13+, CD15+, CD19-, CD33+, CD34-, cyCD68+, HLA-DR+

Mutational profile

การรวมยีน : AFDN + HGNC, 7132, KMT2A, □□□□=KMT2A-AFDN, MLL-MLLT4, MLL-AF6.

HANDLING AND CULTURE

Culture medium

Alpha MEM, w: 2.0 mM กลูตามีนที่ □สถียร , พร้อมด้วยริโบนิวคลีโอไซด์และ □ดออกซีริโบนิวคลีโอไซด์ , w: 1.0 mM โซ □ดียมไพรู □วต , w: 2.2 g/L $NaHCO_3$

Incubation atmosphere	37°C, 5%CO2, บรรยากาศชื้น

Supplements

□ติมอาหาร □ลี้ยง □ชื้อด้วย FBS ที่ทำให้ไม่□ทำงานทางชีวภาพด□ยความร้อน 10%

Seeding density	2 × 10^6 □ซลล์ /มิลลิลิตร
Fluid renewal	2 ถึง 3 ครั้งต่อสัปดาห์

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.

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QUALITY CONTROL AND CRYOPRESERVATION

Sterility

[illegible] PCR [illegible]

[illegible] [illegible] [illegible] [illegible]

Freeze medium	[illegible] [illegible] (FBS) + 10% DMSO [illegible] CM-1 ([illegible] Cytion 800100) [illegible]

Storage conditions

[illegible] [illegible] −150 [illegible] −196 °C [illegible] −80 °C [illegible]

Shipping conditions

[illegible] [illegible] −78 °C [illegible] [illegible] [illegible]

DONOR

Donor age	65 [illegible]
Ethnicity	[illegible]

LEGAL AND SAFETY

Safety precautions

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

Warranty

[illegible]Cytion [illegible]
[illegible]
60 [illegible]
[illegible]
[illegible] [illegible]/[illegible]
[illegible] [illegible]
<a href=""/Who-we-are/Warranty/"" hreflang=""x-default"">[illegible].

Material Transfer Agreement required	Yes