[illegible]-1

300226

[illegible] Kasumi-1 [illegible] 7 [illegible] (AML) [illegible] FAB M2 [illegible] t(8;21) [illegible] AML1-ETO [illegible] AML [illegible] Kasumi-1 [illegible] AML [illegible]

[illegible] Kasumi-1 [illegible] 12-[illegible] 13-[illegible] (TPA) [illegible] Kasumi-1 [illegible] AML [illegible]

GENERAL INFORMATION

Description

[illegible] Kasumi-1 [illegible] 7 [illegible] (AML) [illegible] FAB M2 [illegible] t(8;21) [illegible] AML1-ETO [illegible] AML [illegible] Kasumi-1 [illegible] AML [illegible]

[illegible] Kasumi-1 [illegible] 12-[illegible] 13-[illegible] (TPA) [illegible] Kasumi-1 [illegible] AML [illegible]

Tissue	[illegible]
Disease	[illegible]

Synonyms

- KASUMI-1
- Kasumi 1
- KASUMI1
- Kasumi1

CLASSIFICATION

Organism	Human
Sex	Male
Growth properties	Suspension
Biosafety level	1

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BIC: SOLADES1HDB

CHARACTERISTICS

Morphology	□ซลล์กลมที่แสดงการ □ปลี่ยนแปลงอย่างชัด □จนทั้งในด้านขนาดและอัตราส่วนระหว่างนิว □คลียสกับไซโตพลาซึม
Cell type	ไมอีโลบลาสต์ (AML-มะ □ร็ง □ม็ด □ลือดขาวชนิด □ฉียบพลันชนิดไมอ □ลอย □่)

Karyotype

การสลับตำแหน่ง□โครโมโซม T(8,21)

Doubling time	40 ถึง 45 ชั่วโมง

IDENTIFIERS

Citation

คาสุมิ -1 (หมาย □ลขแคตตาล็อก Cytion 300226)

NCBI TaxID	9606
Cellosaurus	CVCL_0589

EXPRESSION AND SUSCEPTIBILITY

Antigen expression

CD4+ (37.1%, ร่วมแสดงออกกับ CD34 และ CD33), CD13+ (OKM13), CD15+ (LeuM1), CD33+, CD34+ (MY10), CD38+ (OKT10, 50.1%), CD71+ (Nu-TERf), HLA-DR+ (OKDR).

HANDLING AND CULTURE

Culture medium

RPMI 1640, w: 2.0 mM กลูตามีน □สถียร , w: 2.0 กรัม /ลิตร NaHCO3 (หมาย □ลขบทความ Cytion 820700a)

Incubation atmosphere	37°C, 5%CO2, บรรยากาศชื้น

Supplements

□ติมอาหาร □ลี้ยง □ชื้อด้วย FBS ที่ทำให้ไม่□ทำงานทางชีวภาพด้□วยความร้อน 10%

Subculturing

รักษาวัฒนธรรมโดยการ □ติมหรือ □ปลี่ยนอาหาร □ลี้ยง □ชื้อ □ป็นระยะๆ □ริ่มต้นวัฒนธรรมด้วยความหนาแน่น 5 x 10^5 □ซลล์ /มล . และรักษาความ □ข้มข้นของ □ซลล์ให้อยู่ในช่วง 3 x 10^5 ถึง 1 x 10^6 □ซลล์ /มล . □พื่อการ □จริญ □ติบโตที่ดีที่สุด

Seeding density	1 x 10^5 □ซลล์ /มล .
Fluid renewal	□ติมวัสดุใหม่ (20 ถึง 30% โดยปริมาตร) ทุก 2 ถึง 3 วัน
Post-thaw recovery	ประมาณห □ื □ง □ัปดา □่

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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

[illegible] PCR [illegible]

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

Freeze medium	[illegible] [illegible] [illegible] (FBS) + 10% DMSO [illegible] [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	7 [illegible]
Ethnicity	[illegible]

LEGAL AND SAFETY

Safety precautions

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

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Warranty

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Material Transfer Agreement required	Yes

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