SUP-B15

305385

GENERAL INFORMATION

Description

SUP-B15 [illegible] (BCP-ALL) [illegible] ALL [illegible] (Ph+) [illegible] BCR-ABL1 [illegible] t(9;22)(q34;q11) [illegible] Ph+ ALL [illegible] BCR-ABL1 [illegible] SUP-B15 [illegible] Ph+ ALL [illegible] (TKIs) [illegible] imatinib [illegible] dasatinib
[illegible] SUP-B15 [illegible] MDM2 [illegible] p53 [illegible] p53 [illegible] p53 [illegible] MDM2 [illegible] p53 [illegible] SUP-B15 [illegible] BCP-ALL [illegible] MDM2 [illegible] p53 [illegible]
[illegible] SUP-B15 [illegible] RNA [illegible] SUP-B15 [illegible] Cancer Cell Line Encyclopedia (CCLE) [illegible] TKI [illegible] SUP-B15 [illegible]

Tissue	[illegible]
Disease	[illegible] (ALL)

Applications

[illegible], [illegible], [illegible]

Synonyms

- Sup-B15
- SUPB-15
- SUPB15
- SupB15
- SupB15W
- SupB15WT

CLASSIFICATION

Organism	Human
Sex	Male
Growth properties	Suspension
Biosafety level	1

CHARACTERISTICS

Morphology	ลิมโฟบลาสต์
Cell type	ลิมโฟบลาสต์ชนิดบี

Karyotype

46, XY; มีมาร์ □กอร์ดังต่อไปนี้ : t(9;22)(q34;q11), t(4;14) (p11;q24), der(4)t(1;4) (p11;q33), t(9;22) (q34;q11), der(10)t(3;10) (q25;q26), add(16); มีโครโมโซมฟิลา □ดล □ฟีย

Doubling time	18 ชั่วโมง

IDENTIFIERS

Citation

SUP-B15 (หมาย □ลขในแคตตาล็อก Cytion 305385)

NCBI TaxID	9606
Cellosaurus	CVCL_0103

EXPRESSION AND SUSCEPTIBILITY

Protein expression

อิมมูโนโกลบูลิน (ในไซโทพลาซึม)

Antigen expression

CD1a -; CD2 -; CD3 -; CD4 -; CD5 -; CD8 -; CD10 +; CD13 +; CD38 +; CD71 +; HLA DR +

Mutational profile

การรวมยีน : ABL1 + HGNC, HGNC:1014, BCR, □□□□=BCR-ABL1, BCR-ABL, หมาย □หตุ =□อ็กซอน 1 ของ BCR รวมกับ □อ็กซอน 2 ของ ABL1 (ทรานสคริปต์ e1a2)

HANDLING AND CULTURE

Culture medium

IMDM, w: 4.5 กรัม /ลิตร กลูโคส , w: 4 มิลลิโมลาร์ L-กลูตามีน , w: 25 มิลลิโมลาร์ HEPES, w: 1.0 ม □ล □ิโมลาร์ โซ □ดียมไพรู □วต , w: 3.024 กรัม /ลิตร NaHCO3 (หมาย □ลขบทความ Cytion 820800a)

Incubation atmosphere	37°C, 5%CO2, บรรยากาศชื้น

Supplements

□ติม FBS 20% และ 2-□มอร์แคปโต □อทานอล 0.05 mM ลงในสื่อ □พาะ □ลี้ยง

Seeding density	2 ถึง 4 × 10^5 □ซลล์ /มิลลิลิตร
Fluid renewal	2 ถึง 3 ครั้งต่อสัปดาห์

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Banking information
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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]

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

Storage conditions

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

Shipping conditions

[illegible] −78 °C [illegible]

DONOR

Donor age	8 [illegible]
Ethnicity	[illegible]

LEGAL AND SAFETY

Safety precautions

[illegible]

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Warranty

□□□Cytion □□
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Material Transfer Agreement required	Yes

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