

Product sheet

LS513 | 300457

LS513

**Description** LS513 is a human cell line derived from a 1985 patient with acute myeloid leukemia. It is characterized by the presence of a wild-type p53 gene, microglobulin, MHC class II (HLA-DR, DQ, DP), and the expression of CD100, CD119, CD138, CD147, CD151, CD152, CD153, CD154, CD155, CD156, CD157, CD158, CD159, CD160, CD161, CD162, CD163, CD164, CD165, CD166, CD167, CD168, CD169, CD170, CD171, CD172, CD173, CD174, CD175, CD176, CD177, CD178, CD179, CD180, CD181, CD182, CD183, CD184, CD185, CD186, CD187, CD188, CD189, CD190, CD191, CD192, CD193, CD194, CD195, CD196, CD197, CD198, CD199, CD200, CD201, CD202, CD203, CD204, CD205, CD206, CD207, CD208, CD209, CD210, CD211, CD212, CD213, CD214, CD215, CD216, CD217, CD218, CD219, CD220, CD221, CD222, CD223, CD224, CD225, CD226, CD227, CD228, CD229, CD230, CD231, CD232, CD233, CD234, CD235, CD236, CD237, CD238, CD239, CD240, CD241, CD242, CD243, CD244, CD245, CD246, CD247, CD248, CD249, CD250, CD251, CD252, CD253, CD254, CD255, CD256, CD257, CD258, CD259, CD260, CD261, CD262, CD263, CD264, CD265, CD266, CD267, CD268, CD269, CD270, 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CD986, CD987, CD988, CD989, CD990, CD991, CD992, CD993, CD994, CD995, CD996, CD997, CD998, CD999, CD1000.

**Organism** Human

**Tissue** Leukemia

**Disease** Acute Myeloid Leukemia

**Synonyms** LS513, LS 513

Characteristics

**Age** 63 years

**Gender** Male

**Ethnicity** Caucasian

**Morphology** Granulocytic leukemia

**Growth properties** Adherent

References

**Citation** LS513 (Cytion 300457)

**Biosafety level** 1

**NCBI\_TaxID** 9606

**CellosaurusAccession** CVCL\_1386

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**Cell Line**

**Protein expression** CEA+ (50%), p53+

**Antigen expression** CEA, ICAM-1, HLA I

**Tumorigenic** Yes

**Products** TGF-1, 83 pg 10 exp6 24

**Karyotype** 46,XY,-65%,51,xY,-3,M1-der(1)t(1,15),M2-13,-2,-3,-15

**Media**

**Culture Medium** DMEM:Ham's F12 (1:1), w: 3.1 g/L, w: 2.5 mM L-HEPES, w: 15 mM HEPES, w: 0.5 mM, w: 1.2 g/L NaHCO3 820400a)

**Supplements** 10% FBS

**Dissociation Reagent**

**Subculturing** PBS, T25, 3-5' PBS, 3

**Seeding density**  $1 \times 10^4$

**Fluid renewal** 3

**Post-Thaw Recovery** 24

**Freeze medium** (FBS) + 10% DMSO

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**Thawing and Culturing Cells**

1. Thaw the cells rapidly in a water bath at 37°C. Do not allow the cells to reach room temperature. Transfer the cells to a pre-warmed medium.
2. Seed the cells into a pre-warmed flask containing 10-15 mL of medium. Incubate at 37°C with 5% CO<sub>2</sub>.
3. Monitor the cell growth and passage the cells when they reach 70-80% confluency.
4. Seed the cells into a pre-warmed flask containing 10-15 mL of medium. Incubate at 37°C with 5% CO<sub>2</sub>.
5. Monitor the cell growth and passage the cells when they reach 70-80% confluency.
6. Seed the cells into a pre-warmed flask containing 10-15 mL of medium. Incubate at 37°C with 5% CO<sub>2</sub>.
7. Monitor the cell growth and passage the cells when they reach 70-80% confluency.
8. Seed the cells into a pre-warmed flask containing 10-15 mL of medium. Incubate at 37°C with 5% CO<sub>2</sub>.

**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>, humidified

**Flask Coating** Non-adherent

**Freezing Procedure** Harvest cells and resuspend in freezing medium. Store at -80°C.

**Shipping Conditions** Store at -80°C.

**Storage Conditions** Store at -150°C for 196 weeks.

HLA

**Sterility** The cells are free of mycoplasmas and PCR detectable agents.

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**A\***: '32:01:01

**B\***: '51:01:01

**C\***: 01:02:01

**DRB1\***: 11:01:01

**DQA1\***: 05:05:01

**DQB1\***: 03:01:01

**DPB1\***: 04:01:01

**E**: 01:01:01