

Product sheet

WT-CLS1 | 300379

General Information

Description	WT-CLS1 is a cell line derived from a patient with CLL in 1998. It is a B cell line, established from peripheral blood mononuclear cells (PBMCs) of a patient with CLL. The cell line is maintained in RPMI 1640 medium supplemented with 10% fetal bovine serum (FBS) and 1% penicillin-streptomycin (P/S). It is a clonal cell line derived from a single cell.
Organism	Human
Tissue	Blood
Disease	Chronic Lymphocytic Leukemia (CLL)
Synonyms	CLS1

Characteristics

Age	5 years
Gender	Male
Ethnicity	White
Morphology	Small, round cells
Cell type	B cell
Growth properties	Adherent, slow growing, requires 10% FBS

References and Safety

Citation	WT-CLS1 (Cytion 300379)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_5904

Genetic Information

Tumorigenic	Not tumorigenic in nude mice
--------------------	------------------------------

WT-CLS1 | 300379

Thawing and Culturing Cells

1. Thaw the vial rapidly in a water bath at 37°C. Do not allow the vial to touch the bottom of the water bath. Transfer the cells to a pre-warmed tube.
2. Centrifuge the cells at 300 x g for 3 minutes at 4°C. Resuspend the cells in 15 µl of pre-warmed medium.
3. Seed the cells into a pre-warmed 8 µl well of a 96-well plate.
4. Incubate the cells at 37°C with 5% CO₂ for 24 hours.
5. Harvest the cells and analyze by flow cytometry.
6. Wash the cells with PBS and resuspend in 10 µl of PBS.
7. Fix the cells with 1% paraformaldehyde for 10 minutes.
8. Wash the cells with PBS and resuspend in 10 µl of PBS.

Incubation Atmosphere 37°C, 5% CO₂, humidified air

Flask Coating Cell culture medium, 10 minutes

Freezing Procedure Resuspend cells in freezing medium, store at -78°C

Shipping Conditions Store at -78°C

Storage Conditions Store at -150°C for 196 weeks

WT-CLS1 / WT-CLS2 / HLA

Sterility Sterile, PCR negative, endotoxin free

WT-CLS1 | 300379

HLA

A*: 02:01:01, 02:17:02

B*: '18:03:01, '51:01:01

C*: 07:01:01, 15:02:01

DRB1*: 11:04:01, 14:54:01

DQA1*: '01:04:01, '05:05:01

DQB1*: 03:01:01, 05:03:01

DPB1*: '02:01:02G, '04:02:01G

E: '01:01:01, '01:03