

Resource Summary Report

Generated by [NIF](#) on Sep 10, 2026

PL-21

RRID:CVCL_2161

Type: Cell Line

Proper Citation

RRID:CVCL_2161

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_2161

Proper Citation: RRID:CVCL_2161

Description: Cell line PL-21 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Acute promyelocytic leukemia

Defining Citation: [PMID:1571549](#), [PMID:6362749](#), [PMID:6576961](#), [PMID:12529668](#), [PMID:22460905](#), [PMID:25485619](#), [PMID:25877200](#), [PMID:26589293](#), [PMID:27397505](#), [PMID:30285677](#), [PMID:30629668](#), [PMID:30894373](#), [PMID:31068700](#), [PMID:35839778](#), [PMID:36982453](#)

Comments: Population: Japanese., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE).

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: PL-21

Synonyms: PL21

Cross References: BTO:BTO_0005928, CLO:CLO_0009856, EFO:EFO_0006473, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, BioGRID_ORCS_Cell_line:217, BioSample:SAMN01821655, BioSample:SAMN01821714, BioSample:SAMN03473265, BioSample:SAMN10988496, cancercellines:CVCL_2161, Cell_Model_Passport:SIDM00450, Cosmic:787419, Cosmic:975297, Cosmic:999725, Cosmic:1524840, Cosmic:2131556, Cosmic:2306237, Cosmic-CLP:1330991, DepMap:ACH-000218, DSMZ:ACC-536, DSMZCellDive:ACC-536,

EGA:EGAS00001000610, EGA:EGAS00001000978, EGA:EGAS00001002554, GDSC:1330991, GEO:GSM236801, GEO:GSM236837, GEO:GSM887518, GEO:GSM888600, GEO:GSM1374834, GEO:GSM1446753, GEO:GSM1670351, JCRB:JCRB1319, LiGeA:CCLE_483, LINCX_LDP:LCL-1070, PharmacDB:PL21_1270_2019, PRIDE:PXD030304, Progenetix:CVCL_2161, Wikidata:Q54947481

ID: CVCL_2161

Record Creation Time: 20220427T221433+0000

Record Last Update: 20260905T182116+0000

Ratings and Alerts

No rating or validation information has been found for PL-21.

No alerts have been found for PL-21.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Lin H, et al. (2025) Characterization and comparative analysis of multifunctional natural killer cell engagers during antitumor responses. Cell reports. Medicine, 6(5), 102117.

Zhou RW, et al. (2025) Safe immunosuppression-resistant pan-cancer immunotherapeutics by velcro-like density-dependent targeting of tumor-associated carbohydrate antigens. Cell.

Maru B, et al. (2023) PARP-1 improves leukemia outcomes by inducing parthanatos during chemotherapy. Cell reports. Medicine, 4(9), 101191.

Jayavelu AK, et al. (2022) The proteogenomic subtypes of acute myeloid leukemia. Cancer cell, 40(3), 301.

Hernandez-Malmierca P, et al. (2022) Antigen presentation safeguards the integrity of the hematopoietic stem cell pool. Cell stem cell, 29(5), 760.

Xie SZ, et al. (2021) Sphingosine-1-phosphate receptor 3 potentiates inflammatory programs in normal and leukemia stem cells to promote differentiation. Blood cancer discovery, 2(1), 32.

Dufva O, et al. (2020) Immunogenomic Landscape of Hematological Malignancies. *Cancer cell*, 38(3), 380.

Jin S, et al. (2020) 5-Azacitidine Induces NOXA to Prime AML Cells for Venetoclax-Mediated Apoptosis. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 26(13), 3371.