

Resource Summary Report

Generated by [NIF](#) on Sep 20, 2026

MOLT-16

RRID:CVCL_1424

Type: Cell Line

Proper Citation

RRID:CVCL_1424

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_1424

Proper Citation: RRID:CVCL_1424

Description: Cell line MOLT-16 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Female

Disease: Childhood T acute lymphoblastic leukemia

Defining Citation: [PMID:2144611](#), [PMID:2784121](#), [PMID:9408752](#), [PMID:9510473](#), [PMID:9933131](#), [PMID:10739008](#), [PMID:11226526](#), [PMID:15472075](#), [PMID:15843827](#), [PMID:17170727](#), [PMID:20164919](#), [PMID:20215515](#), [PMID:22460905](#), [PMID:22675565](#), [PMID:26589293](#), [PMID:27397505](#), [PMID:30285677](#), [PMID:30629668](#), [PMID:30894373](#), [PMID:31068700](#), [PMID:35354797](#), [PMID:35839778](#)

Comments: Caution: TP53 mutations indicated to be at p.Met237Arg (c.710T>G) and p.Gly244Cys (c.730G>T) (PubMed=2144611)., Population: African American., 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: MOLT-16

Synonyms: Molt-16, MOLT 16, MOLT16, Molt16

Cross References: BTO:BTO_0004173, EFO:EFO_0002239, CLDB:cl3516, ArrayExpress:E-MTAB-38, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, BioSample:SAMN03473343, BioSample:SAMN10988570, cancercellines:CVCL_1424, Cell_Model_Passport:SIDM00431, ChEMBL-

Cells:CHEMBL3308271, ChEMBL-Targets:CHEMBL2366362, Cosmic:908147, Cosmic:913425, Cosmic:919155, Cosmic:922678, Cosmic:998725, Cosmic:1115601, Cosmic:1151787, Cosmic:1226859, Cosmic:1281380, Cosmic:1330491, Cosmic:1641382, Cosmic:1760528, Cosmic:2458764, Cosmic:2462862, Cosmic:2602927, Cosmic-CLP:908147, DepMap:ACH-000918, DSMZ:ACC-29, DSMZCellDive:ACC-29, EGA:EGAS00001000978, GDSC:908147, GEO:GSM887335, GEO:GSM888411, GEO:GSM1670127, GEO:GSM5137729, IARC_TP53:187, IARC_TP53:21513, IGRhCellID:MOLT16, LiGeA:CCLE_638, LINCS_LDP:LCL-1018, Lonza:2, MetaboLights:MTBLS789, PharmacDB:MOLT16_956_2019, PRIDE:PXD023662, PRIDE:PXD030304, Progenetix:CVCL_1424, PubChem_Cell_line:CVCL_1424, Wikidata:Q54906347

ID: CVCL_1424

Record Creation Time: 20220427T220817+0000

Record Last Update: 20260920T004528+0000

Ratings and Alerts

No rating or validation information has been found for MOLT-16.

No alerts have been found for MOLT-16.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Yag??e-Capilla M, et al. (2026) IMPDH inhibition enhances cytarabine efficacy in SAMHD1-expressing leukaemia cells via guanine nucleotide depletion. Molecular oncology.

Marchesini M, et al. (2020) Blockade of Oncogenic NOTCH1 with the SERCA Inhibitor CAD204520 in T Cell Acute Lymphoblastic Leukemia. Cell chemical biology, 27(6), 678.

Parvin S, et al. (2019) LMO2 Confers Synthetic Lethality to PARP Inhibition in DLBCL. Cancer cell, 36(3), 237.