

Resource Summary Report

Generated by [NIF](#) on Sep 18, 2026

MOLT-3

RRID:CVCL_0624

Type: Cell Line

Proper Citation

RRID:CVCL_0624

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0624

Proper Citation: RRID:CVCL_0624

Description: Cell line MOLT-3 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Adult T acute lymphoblastic leukemia

Defining Citation: [PMID:327080](#), [PMID:1086134](#), [PMID:2846092](#), [PMID:2985879](#), [PMID:3159941](#), [PMID:3518877](#), [PMID:3856477](#), [PMID:3874327](#), [PMID:4547172](#), [PMID:4567231](#), [PMID:6220172](#), [PMID:6600440](#), [PMID:6978176](#), [PMID:7630190](#), [PMID:8547074](#), [PMID:8608962](#), [PMID:9738977](#), [PMID:9787181](#), [PMID:9933131](#), [PMID:10739008](#), [PMID:11986953](#), [PMID:12623853](#), [PMID:15472075](#), [PMID:17170727](#), [PMID:20215515](#), [PMID:25877200](#), [PMID:30285677](#), [PMID:30629668](#), [PMID:30894373](#), [PMID:31068700](#), [PMID:35354797](#)

Comments: Karyotypic information: Hypertetraploid karyotype (ATCC=CRL-1552)., Population: Caucasian., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE).

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: MOLT-3

Synonyms: Molt-3, MOLT 3, Molt 3, MOLT3, Molt3

Cross References: BTO:BTO_0001081, CLO:CLO_0007824, CLO:CLO_0051008, EFO:EFO_0005265, CLDB:cl3519, CLDB:cl3521, CLDB:cl3522, CLDB:cl3523, ArrayExpress:E-MTAB-38, ArrayExpress:E-MTAB-2770, ATCC:CRL-1552, BCRC:60106,

BEI_Resources:ARP-12187, BioSample:SAMN03470846, BioSample:SAMN03471394, BioSample:SAMN03472164, BioSample:SAMN03473404, BioSample:SAMN10989586, cancercellines:CVCL_0624, Cell_Model_Passport:SIDM00153, ChEMBL-Cells:ChEMBL3307556, ChEMBL-Targets:ChEMBL614176, CLS:300116, Cosmic:724815, Cosmic:850193, Cosmic:913410, Cosmic:999756, Cosmic:1191701, Cosmic:1281377, Cosmic:1524845, Cosmic:2301561, Cosmic:2361367, Cosmic:2602923, DepMap:ACH-000964, DSMZ:ACC-84, DSMZCellDive:ACC-84, ECACC:90021901, GEO:GSM236793, GEO:GSM236829, GEO:GSM5137730, IGRhCellID:MOLT3, IZSLER:BS TCL 44, JCRB:JCRB9048, LiGeA:CCLE_717, PharmacDB:MOLT3_957_2019, PRIDE:PXD023662, Progenetix:CVCL_0624, PubChem_Cell_line:CVCL_0624, RCB:RCB1164, Wikidata:Q54906351

ID: CVCL_0624

Record Creation Time: 20220427T220817+0000

Record Last Update: 20260913T004916+0000

Ratings and Alerts

No rating or validation information has been found for MOLT-3.

No alerts have been found for MOLT-3.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Olety B, et al. (2025) The ectodomain sheddase ADAM10 restricts HIV-1 propagation and is counteracted by Nef. Science advances, 11(16), eadt1836.

Collin V, et al. (2024) The immediate-early protein 1 of human herpesvirus 6B interacts with NBS1 and inhibits ATM signaling. EMBO reports, 25(2), 725.

Dolton G, et al. (2023) Targeting of multiple tumor-associated antigens by individual T??cell receptors during successful cancer immunotherapy. Cell, 186(16), 3333.

Quintana M, et al. (2021) Ethanol Enhances Hyperthermia-Induced Cell Death in Human Leukemia Cells. International journal of molecular sciences, 22(9).

Gilbert-Girard S, et al. (2020) Role for the shelterin protein TRF2 in human herpesvirus 6A/B chromosomal integration. PLoS pathogens, 16(4), e1008496.

Selyutina A, et al. (2020) Nuclear Import of the HIV-1 Core Precedes Reverse Transcription and Uncoating. *Cell reports*, 32(13), 108201.

Steinberger J, et al. (2019) Tracing MYC Expression for Small Molecule Discovery. *Cell chemical biology*, 26(5), 699.