

Resource Summary Report

Generated by [NIF](#) on Aug 31, 2026

Jurkat

RRID:CVCL_0065

Type: Cell Line

Proper Citation

RRID:CVCL_0065

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0065

Proper Citation: RRID:CVCL_0065

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

Sex: Male

Disease: Childhood T acute lymphoblastic leukemia

Defining Citation: [PMID:68013](#), [PMID:204546](#), [PMID:1086134](#), [PMID:1103999](#), [PMID:1915666](#), [PMID:2144611](#), [PMID:2985879](#), [PMID:3159941](#), [PMID:3165345](#), [PMID:3874327](#), [PMID:8127147](#), [PMID:8547074](#), [PMID:8558913](#), [PMID:8641406](#), [PMID:8957066](#), [PMID:9510473](#), [PMID:9583678](#), [PMID:9685479](#), [PMID:9738977](#), [PMID:9787181](#), [PMID:9933131](#), [PMID:10071127](#), [PMID:10739008](#), [PMID:11021758](#), [PMID:11226526](#), [PMID:15028022](#), [PMID:15472075](#), [PMID:16408098](#), [PMID:17117183](#), [PMID:17170727](#), [PMID:19220422](#), [PMID:19473701](#), [PMID:19608861](#), [PMID:22278370](#), [PMID:22460905](#), [PMID:22675565](#), [PMID:22944676](#), [PMID:23325432](#), [PMID:24618588](#), [PMID:26074081](#), [PMID:27397505](#), [PMID:28357668](#), [PMID:29967540](#), [PMID:30285677](#), [PMID:30629668](#), [PMID:30844424](#), [PMID:30894373](#), [PMID:31068700](#), [PMID:31160637](#), [PMID:31978347](#), [PMID:35354797](#), [PMID:35839778](#)

Comments: Anecdotal: Have been flown in space on Cosmos-2044 to study the inhibition of phorbol ester-induced cell activation in microgravity (PubMed=1915666)., Population: Caucasian., Part of: LL-100 blood cancer cell line panel., Part of: International Histocompatibility Workshop cell lines., Part of: ENCODE project common cell types; tier 3., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Group: Space-flown cell line (cellonaut).

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: Jurkat

Synonyms: JURKAT, JM, JM-Jurkat, Jurkat-FHCRC, Jurkat FHCRC, FHCRC-11, FHCRC subclone 11, FCCH1024

Cross References: BTO:BTO_0000661, CLO:CLO_0007029, CLO:CLO_0007043, CLO:CLO_0050978, CLO:CLO_0050993, CLO:CLO_0051001, EFO:EFO_0002796, MCCL:MCC:0000503, CLDB:cl2950, CLDB:cl2959, CLDB:cl2960, CLDB:cl2961, CLDB:cl5212, Abcam:ab271143, Abcam:ab275468, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, ArrayExpress:E-MTAB-7721, ArrayExpress:E-MTAB-7722, BEI_Resources:ARP-4668, BioGRID_ORCS_Cell_line:1255, BioSample:SAMN03472181, BioSample:SAMN03472286, BioSample:SAMN03473341, BioSample:SAMN10988565, cancercellines:CVCL_0065, CCRID:1101HUM-PUMC000347, Cell_Model_Passport:SIDM01016, ChEMBL-Cells:ChEMBL3307526, ChEMBL-Targets:ChEMBL397, CLS:302147, CLS:305018, Cosmic:683539, Cosmic:721707, Cosmic:755289, Cosmic:801727, Cosmic:850196, Cosmic:913426, Cosmic:919152, Cosmic:922675, Cosmic:933540, Cosmic:991544, Cosmic:998737, Cosmic:999757, Cosmic:1012072, Cosmic:1037693, Cosmic:1115592, Cosmic:1118463, Cosmic:1118464, Cosmic:1127262, Cosmic:1130236, Cosmic:1132774, Cosmic:1175129, Cosmic:1191689, Cosmic:1224368, Cosmic:1226860, Cosmic:1330489, Cosmic:1375588, Cosmic:1483364, Cosmic:1524798, Cosmic:1639637, Cosmic:1641380, Cosmic:1664522, Cosmic:1760524, Cosmic:1811157, Cosmic:2039520, Cosmic:2165713, Cosmic:2301569, Cosmic:2361366, Cosmic:2602916, Cosmic:2750872, Cosmic-CLP:998184, DepMap:ACH-000995, DSMZ:ACC-282, DSMZCellDive:ACC-282, ECACC:86010201, EGA:EGAS00001000978, EGA:EGAS00001002554, FANTOM5_SSTAR:10464-106H5, GDSC:998184, GEO:GSM1991, GEO:GSM236783, GEO:GSM236819, GEO:GSM482494, GEO:GSM749672, GEO:GSM887188, GEO:GSM888261, GEO:GSM1040307, GEO:GSM1040377, GEO:GSM1374580, GEO:GSM1669965, GEO:GSM5137718, GEO:GSM5534218, GEO:GSM5534219, GEO:GSM5534220, GEO:GSM5534221, GEO:GSM5534222, GEO:GSM5534223, GEO:GSM7701387, GEO:GSM7701388, IARC_TP53:186, IBRC:C10155, ICLC:HTL01002, IHW:IHW00002, IZSLER:BS CL 131, KCB:KCB 94018YJ, LiGeA:CCLE_029, LINCSeq:LCL-2107, Lonza:142, MeSH:D019169, NCBI_Iran:C120, PharmacDB:JURKAT_712_2019, PRIDE:PRD000008, PRIDE:PRD000013, PRIDE:PRD000787, PRIDE:PXD000426, PRIDE:PXD000443, PRIDE:PXD001428, PRIDE:PXD001872, PRIDE:PXD002091, PRIDE:PXD002395, PRIDE:PXD006201, PRIDE:PXD023662, PRIDE:PXD030304, Progenetix:CVCL_0065, PubChem_Cell_line:CVCL_0065, RCB:RCB0537, RCB:RCB0806, RCB:RCB3052, TKG:TKG 0209, TOKU-E:3710, Wikidata:Q1632589

ID: CVCL_0065

Record Creation Time: 20220427T220653+0000

Record Last Update: 20260829T234352+0000

Ratings and Alerts

No rating or validation information has been found for Jurkat.

Warning: Discontinued: ICLC; HTL01002

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Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 8048 mentions in open access literature.

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

Ianevski A, et al. (2026) Multiomics Profiling of T-cell Leukemia and Lymphoma Enables Targeted Therapeutic Discovery. *Cancer research*, 86(2), 295.

Li Y, et al. (2026) Hsa_circ_0000313/miR-1224-3p/MKMK2 Axis Modulates CD4+ T Cells by Activating p38 MAPK Signaling in Myasthenia Gravis. *Mediators of inflammation*, 2026(1), e2877539.

Xingming Z, et al. (2026) Dual regulation of CXCR6+CD8+ T cells modulates cytotoxic and exhaustion-associated programs during prostate cancer progression. *Journal for immunotherapy of cancer*, 14(3).

Ayad AS, et al. (2026) Chemical Markers and Bioactivity of Algerian Royal Jelly: Influence of Bee Subspecies, Geography, and Lyophilization. *Chemistry & biodiversity*, 23(6), e71406.

Chen L, et al. (2026) Tyrosine kinase 2 inhibition by GL-V9 treats psoriasiform dermatitis via macrophage-helper T-cell modulation. *British journal of pharmacology*.

Liu T, et al. (2026) Evaluating the Utilities of Foundation Models in Single-Cell Data Analysis. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(27), e14490.

Hu X, et al. (2026) Immune gene diversity and STING1 variants in shaping cancer immunity across different genetic ancestry populations. *Cell reports*, 45(2), 116882.

Qing S, et al. (2026) Folate promotes colorectal cancer progression by impairing CD8+ T cell function and recruitment via SLC19A1/p-AKT/NOTCH1 axis and CCL5 downregulation. *Journal of translational medicine*, 24(1).

Ko N, et al. (2026) Optimizing Zirconium-89 labeling for chimeric antigen receptor T cell PET imaging by comparing desferrioxamine and oxine. *Scientific reports*, 16(1).

Philbrook P, et al. (2026) Medium-Chain Fatty Acid Receptor GPR84 Modulates Cytotoxic CD8 T-cell Antitumor Immunity through Metabolic Reprogramming. *Cancer immunology*

research, 14(4), 640.

Anandasivam N, et al. (2026) Tunable Enhancement of T Cell Expansion Through Modulation of Stiffness and Adhesion Receptor Engagement in an Engineered Hydrogel Platform. *Advanced materials* (Deerfield Beach, Fla.), e05965.

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

Tripathi C, et al. (2026) Nanobody-Engineered CLL-1 CAR T Cells: Optimizing Tumor-Specific Cytotoxicity and Minimizing Off-Tumor Toxicity. *Cancer research communications*, 6(3), 528.

Yabe R, et al. (2026) Development of human monoclonal antibodies against TARM1 by yeast display. *FEBS open bio*, 16(7), 1358.

Neullens CT, et al. (2026) Inflammatory CD4⁺ T cells can waive NRF2-dependent SLC7A11-mediated cystine uptake by using ASCT1. *iScience*, 29(5), 115680.

Gao J, et al. (2026) Dual inhibition of tubulin and DNMT by the novel letermovir derivative H62 blocks leukemia. *Biochemical pharmacology*, 252, 118196.

Qiao YL, et al. (2026) Notch2 Directs aTreg Cell Fate Toward Immunoregulation or Inflammatory Pyroptosis. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(12), e11612.

Zhang R, et al. (2026) Covalent modification of a glutamic acid inspired by HaloTag technology. *Nature communications*, 17(1), 1257.

Kunzmann GB, et al. (2026) Dynamic UFMylation governs cellular fitness by coordinating multi-organelle proteostasis. *bioRxiv : the preprint server for biology*.

Sohal IS, et al. (2026) Exosome-like biogenesis from the Golgi releases extracellular vesicles lacking conventional tetraspanins that mediate immune evasion in cancer. *bioRxiv : the preprint server for biology*.