

Resource Summary Report

Generated by [NIF](#) on Sep 22, 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:CCL_029, LINC_S_LDP: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: 20260920T004242+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](#) .

Li Y, et al. (2026) Hsa_circ_0000313/miR-1224-3p/MKNK2 Axis Modulates CD4+ T Cells by Activating p38 MAPK Signaling in Myasthenia Gravis. Mediators of inflammation, 2026(1), e2877539.

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

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.

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).

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.

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.

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*.

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