

Resource Summary Report

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

HL-60

RRID:CVCL_0002

Type: Cell Line

Proper Citation

RRID:CVCL_0002

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0002

Proper Citation: RRID:CVCL_0002

Description: Cell line HL-60 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Female

Disease: Adult acute myeloid leukemia with maturation

Defining Citation: [PMID:271272](#), [PMID:288488](#), [PMID:1368402](#), [PMID:1574572](#), [PMID:1970118](#), [PMID:2140233](#), [PMID:2545346](#), [PMID:2858093](#), [PMID:2985879](#), [PMID:3159941](#), [PMID:3311197](#), [PMID:3335022](#), [PMID:3422031](#), [PMID:3860286](#), [PMID:3874327](#), [PMID:6091813](#), [PMID:6255959](#), [PMID:6582512](#), [PMID:6945469](#), [PMID:6954533](#), [PMID:6996765](#), [PMID:7630190](#), [PMID:8316623](#), [PMID:8343448](#), [PMID:8558913](#), [PMID:8562479](#), [PMID:9434637](#), [PMID:9510473](#), [PMID:9557624](#), [PMID:9607592](#), [PMID:9737686](#), [PMID:9738977](#), [PMID:10739008](#), [PMID:11226526](#), [PMID:11416159](#), [PMID:12068308](#), [PMID:12661003](#), [PMID:15843827](#), [PMID:16120335](#), [PMID:16408098](#), [PMID:16957166](#), [PMID:17088437](#), [PMID:20164919](#), [PMID:20215515](#), [PMID:22032829](#), [PMID:22068913](#), [PMID:22347499](#), [PMID:22460905](#), [PMID:22944676](#), [PMID:23955599](#), [PMID:24368162](#), [PMID:24670534](#), [PMID:25485619](#), [PMID:25877200](#), [PMID:25894527](#), [PMID:25984343](#), [PMID:26589293](#), [PMID:27397505](#), [PMID:28109323](#), [PMID:28196595](#), [PMID:29491412](#), [PMID:30285677](#), [PMID:30629668](#), [PMID:30670178](#), [PMID:30894373](#), [PMID:31068700](#), [PMID:31160637](#), [PMID:31733513](#), [PMID:33389257](#), [PMID:35839778](#), [PMID:36982453](#)

Comments: Anecdotal: Established at the 60th attempt to culture human leukemia biopsies in Gallo's lab. All the preceding attempts having failed., Virology: Not susceptible to infection by SARS coronavirus 2 (SARS-CoV-2) (COVID-19) (PubMed=33389257)., Biotechnology: Used a source of mitochondrial DNA for USA forensic testing., Population: Caucasian., Part of: MYC genetic alteration cell panel (ATCC TCP-1035)., Part of: MD Anderson Cell Lines Project., Part of: LL-100 blood cancer cell line panel., Part of: Human

Protein Atlas, Cell Atlas panel., 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: HL-60

Synonyms: HL 60, HL.60, HL60, Human Leukemia-60

Cross References: BTO:BTO_0000738, CLO:CLO_0003775, CLO:CLO_0050972, EFO:EFO_0002793, MCCL:MCC:0000195, CLDB:cl1682, CLDB:cl1684, CLDB:cl1685, CLDB:cl1686, CLDB:cl1687, CLDB:cl1688, CLDB:cl1689, CLDB:cl1690, CLDB:cl1691, CLDB:cl1693, Abcam:ab282204, AddexBio:C0003023/4977, ArrayExpress:E-MTAB-38, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, ArrayExpress:E-MTAB-7721, ArrayExpress:E-MTAB-7722, ATCC:CCL-240, BCRC:60027, BCRJ:0104, BioGRID_ORCS_Cell_line:42, BioSample:SAMN01821559, BioSample:SAMN01821682, BioSample:SAMN03472768, BioSample:SAMN03473174, BioSample:SAMN10988245, cancercellines:CVCL_0002, CCRID:1101HUM-PUMC000037, CCRID:1102HUM-NIFDC000098, CCRID:3101HUMTCHu23, CCRID:4201HUM-CCTCC000028, CCTCC:GDC0027, CCTCC:GDC0028, Cell_Model_Passport:SIDM00829, ChEMBL-Cells:ChEMBL3307654, ChEMBL-Targets:ChEMBL383, CLS:300209, Cosmic:716179, Cosmic:716190, Cosmic:724817, Cosmic:787433, Cosmic:798224, Cosmic:798665, Cosmic:808506, Cosmic:821043, Cosmic:850380, Cosmic:851996, Cosmic:875866, Cosmic:905938, Cosmic:919116, Cosmic:922161, Cosmic:922683, Cosmic:924049, Cosmic:932769, Cosmic:947366, Cosmic:949099, Cosmic:975252, Cosmic:981578, Cosmic:991557, Cosmic:994170, Cosmic:999724, Cosmic:1012068, Cosmic:1019836, Cosmic:1037661, Cosmic:1070693, Cosmic:1078724, Cosmic:1089519, Cosmic:1092602, Cosmic:1107177, Cosmic:1127250, Cosmic:1130234, Cosmic:1168468, Cosmic:1176580, Cosmic:1181599, Cosmic:1191695, Cosmic:1192826, Cosmic:1226863, Cosmic:1281315, Cosmic:1305337, Cosmic:1308224, Cosmic:1319549, Cosmic:1451845, Cosmic:1465966, Cosmic:1523825, Cosmic:1524830, Cosmic:1582390, Cosmic:1601062, Cosmic:1604861, Cosmic:1998444, Cosmic:2036678, Cosmic:2089652, Cosmic:2131539, Cosmic:2301565, Cosmic:2306208, Cosmic:2651387, Cosmic-CLP:905938, DepMap:ACH-000002, DSMZ:ACC-3, DSMZCellDive:ACC-3, ECACC:98070106, EGA:EGAS00001000610, EGA:EGAS00001000978, ENCODE:ENCBS069ENC, ENCODE:ENCBS070ENC, ENCODE:ENCBS215JQI, ENCODE:ENCBS308XSW, ENCODE:ENCBS373UEY, ENCODE:ENCBS482VCU, ENCODE:ENCBS698WLF, ENCODE:ENCBS869DKF, ENCODE:ENCBS880XNW, FANTOM5_SSTAR:10829-111D1, GDSC:905938, GEO:GSM50194, GEO:GSM50258, GEO:GSM213809, GEO:GSM236782, GEO:GSM236818, GEO:GSM472908, GEO:GSM472942, GEO:GSM482507, GEO:GSM545496, GEO:GSM545497, GEO:GSM743458, GEO:GSM749688, GEO:GSM749775, GEO:GSM750812, GEO:GSM799346, GEO:GSM799409, GEO:GSM838428, GEO:GSM838429, GEO:GSM838430, GEO:GSM838431, GEO:GSM887083, GEO:GSM888153, GEO:GSM945222, GEO:GSM945255, GEO:GSM1153417, GEO:GSM1181331, GEO:GSM1181348, GEO:GSM1374535, GEO:GSM1374536, GEO:GSM1446736, GEO:GSM1669883, GEO:GSM2716740,

GEO:GSM2716741, GEO:GSM2716742, GEO:GSM2716743, GEO:GSM7701378, GEO:GSM7701379, IARC_TP53:21372, IARC_TP53:21731, ICLC:HTL95010, IGRhCellID:HL60, IZSLER:BS TCL 25, JCRB:IFO50022, JCRB:JCRB0085, JCRB:NIHS0086, KCB:KCB 2014051YJ, KCLB:10240, LiGeA:CCLE_789, LINCS_LDP:LCL-1054, Lonza:64, MeSH:D018922, NCBI_Iran:C217, PharmacDB:HL60_546_2019, PRIDE:PRD000345, PRIDE:PXD000589, PRIDE:PXD003539, PRIDE:PXD006421, PRIDE:PXD030304, PRIDE:PXD032942, Progenetix:CVCL_0002, PubChem_Cell_line:CVCL_0002, RCB:RCB0041, RCB:RCB3683, SKY/M-FISH/CGH:5609, TKG:TKG 0345, TOKU-E:1488, Ubigen:YC-C058, Wikidata:Q5630035

ID: CVCL_0002

Record Creation Time: 20220427T220435+0000

Record Last Update: 20260913T004214+0000

Ratings and Alerts

No rating or validation information has been found for HL-60.

Warning: Discontinued: JCRB; NIHS0086

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Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 4410 mentions in open access literature.

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

Wu S, et al. (2026) Inhibition of CDK9 enhances AML cell death induced by combined venetoclax and azacitidine. *Molecular oncology*, 20(2), 555.

Tardaguila M, et al. (2026) Integrating natural and engineered genetic variations to decode regulatory influence on blood traits. *Cell reports*, 45(2), 116937.

Diep RE, et al. (2026) Natural maternal immunity protects neonates from *Escherichia coli* sepsis. *Nature*, 653(8114), 519.

Hofstetter M, et al. (2026) Enhancement of CD117-Targeted Bispecific T-cell Engagement by CD33-Targeted Bispecific T-cell Costimulation in Acute Myeloid Leukemia. *Cancer research communications*, 6(4), 946.

Lu L, et al. (2026) Enalaprilat reverses neutrophil polarization imbalance via targeting taurine-STING axis for treatment of diabetic wounds. *Cell reports. Medicine*, 7(4), 102714.

Fujino T, et al. (2026) Development of CAR T cells Targeting a Surface RNA Binding Protein for the Treatment of Acute Leukemias. *Cancer discovery*.

Ning XY, et al. (2026) Four New Triterpenoids From *Rubus pirifolius* Smith. *Chemistry & biodiversity*, 23(2), e03037.

Mehandzhiyski AY, et al. (2026) Cytotoxic Profiling of 3',4',5'-Trimethoxychalcones Reveals Cell-Line-Dependent Cytotoxic Activity: An In Vitro and In Silico Study. *Chemistry & biodiversity*, 23(5), e71336.

Wu J, et al. (2026) Enhanced formaldehyde clearance ameliorates differentiation-induced genotoxicity in Fanconi anemia mutant cells. *Cell reports*, 45(6), 117449.

Sun C, et al. (2026) Micro-Galvanic Coupling Programs the Therapeutic Zinc Ion Window to Reconfigure Immune Cascades for Pro-Regenerative Bone Healing. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), e76084.

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*.

Chen TQ, et al. (2026) RBM15B recognizes H3K79me2 to guide selective m6A-modification of mRNA and enhance oncoprotein translation in MLL-r leukemia. *The EMBO journal*, 45(5), 1672.

Takeda S, et al. (2026) A MERTK-Targeting Antibody-Drug Conjugate Selectively Depletes M2 Tumor-Associated Macrophages and MERTK-Expressing Cancer Cells. *Cancer research*, 86(8), 2024.

Jiang L, et al. (2026) Clinical Significance for Risk Stratification of Papillary Thyroid Cancer by TUMORFISHER Circulating Tumor Cell Technique. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 32(7), 1313.

Zhou Y, et al. (2026) Distinct Regulation of the ARF and TAp73 Tumor Suppressor Genes by the Transcription Factor E2F1 Enables Discrimination of Cancer Cells from Normal Growing Cells. *Cells*, 15(1).

Liu X, et al. (2026) High throughput screening identifies sanguinarine chloride as a multifaceted therapeutic agent for PRCC-TFE3 rRCC by targeting lactylation-driven VEGFB-VEGFR2 signaling and PMN-MDSC infiltration. *Journal of advanced research*.

Sahm BDB, et al. (2026) Anticancer Potential of Piericidin A1 and Derivatives Isolated From *Streptomyces* sp. Associated With *Palythoa variabilis* From Brazilian Reefs. *Chemistry & biodiversity*, 23(4), e03815.

Sun S, et al. (2026) Ammonia Detoxification Inhibits Liver Metastasis by Reshaping Hepatic Microenvironment. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(33), e21098.

Fujikawa M, et al. (2026) Oxygen-stable streptolysin O variant enables mitochondrial ATP synthesis analysis in minimal cells blood and tissues. *iScience*, 29(8), 116788.

Jones L, et al. (2026) A structure-based modeling approach identifies effective drug combinations for RAS-mutant acute myeloid leukemia. *iScience*, 29(8), 116875.