

Resource Summary Report

Generated by dkNET on Apr 30, 2025

U-118MG

RRID:CVCL_0633

Type: Cell Line

Proper Citation

(RRID:CVCL_0633)

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0633

Proper Citation: (RRID:CVCL_0633)

Sex: Male

Defining Citation: [PMID:327080](#), [PMID:450131](#), [PMID:833871](#), [PMID:2253244](#),
[PMID:2454731](#), [PMID:3518877](#), [PMID:3675803](#), [PMID:4134536](#), [PMID:4312117](#),
[PMID:4313504](#), [PMID:4337530](#), [PMID:4369403](#), [PMID:6220172](#), [PMID:6260907](#),
[PMID:7017212](#), [PMID:7459858](#), [PMID:9220028](#), [PMID:10402232](#), [PMID:10416987](#),
[PMID:10560660](#), [PMID:11414198](#), [PMID:16697959](#), [PMID:19365568](#), [PMID:19435942](#),
[PMID:20143388](#), [PMID:20164919](#), [PMID:22460905](#), [PMID:22570425](#), [PMID:27397505](#),
[PMID:27582061](#), [PMID:30894373](#), [PMID:31068700](#), [PMID:31978347](#), [PMID:35839778](#)

Comments: Omics: Transcriptome analysis by RNAseq., Omics: Transcriptome analysis by microarray., Omics: SNP array analysis., Omics: DNA methylation analysis., Omics: Deep quantitative proteome analysis., Omics: Deep exome analysis., Omics: CNV analysis., Population: Caucasian., Part of: Naval Biosciences Laboratory (NBL) collection (transferred to ATCC in 1982)., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Problematic cell line: Contaminated. Shown to be a U-138MG derivative (PubMed=20143388)..

Category: Cancer cell line

Name: U-118MG

Synonyms: U-118 MG, U-118-MG, U118-MG, U118MG, U118, 118 MG, 118MG

Cross References: BTO:BTO_0004605, CLO:CLO_0009451, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, ATCC:CRL-7712, ATCC:HTB-15,

BioGRID_ORCS_Cell_line:445, BioSample:SAMN03151974, BioSample:SAMN03472723, BioSample:SAMN10988042, cancercelllines:CVCL_0633, CCRID:3101HUMTCHu216, Cell_Model_Passport:SIDM01193, ChEMBL-Cells:CHEMBL3308793, ChEMBL-Targets:CHEMBL1075602, CLS:300362, Cosmic:687588, Cosmic:849852, Cosmic:849878, Cosmic:920817, Cosmic:1175822, Cosmic:1217672, Cosmic:1571919, Cosmic:1610738, Cosmic:2301554, Cosmic:2367553, Cosmic:2550362, Cosmic:2668299, Cosmic:2701084, Cosmic-CLP:687588, DepMap:ACH-000040, EGA:EGAS00001000978, GDSC:687588, GEO:GSM101671, GEO:GSM101672, GEO:GSM888812, GEO:GSM1374968, GEO:GSM1374969, GEO:GSM1670554, IARC_TP53:4195, KCB:KCB 2013002YJ, LiGeA:CCLE_075, LINCS_LDP:LCL-1358, PharmacoDB:U118MG_1616_2019, PRIDE:PXD030304, Progenetix:CVCL_0633, PubChem_Cell_line:CVCL_0633, Wikidata:Q54973503

ID: CVCL_0633

Record Creation Time: 20250131T202830+0000

Record Last Update: 20250131T204823+0000

Ratings and Alerts

No rating or validation information has been found for U-118MG.

Warning: Problematic cell line: Contaminated. Shown to be a U-138MG derivative (PubMed=20143388).

Registration: International Cell Line Authentication Committee, Register of Misidentified Cell Lines; ICLAC-00350.

Omics: Transcriptome analysis by RNAseq., Omics: Transcriptome analysis by microarray., Omics: SNP array analysis., Omics: DNA methylation analysis., Omics: Deep quantitative proteome analysis., Omics: Deep exome analysis., Omics: CNV analysis., Population: Caucasian., Part of: Naval Biosciences Laboratory (NBL) collection (transferred to ATCC in 1982)., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Problematic cell line: Contaminated. Shown to be a U-138MG derivative (PubMed=20143388).. **Warning:** Discontinued: ATCC; CRL-7712

Omics: Transcriptome analysis by RNAseq., Omics: Transcriptome analysis by microarray., Omics: SNP array analysis., Omics: DNA methylation analysis., Omics: Deep quantitative proteome analysis., Omics: Deep exome analysis., Omics: CNV analysis., Population: Caucasian., Part of: Naval Biosciences Laboratory (NBL) collection (transferred to ATCC in 1982)., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Problematic cell line: Contaminated. Shown to be a U-138MG derivative (PubMed=20143388)..

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 1977 mentions in open access literature.

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

Zhong Y, et al. (2024) Vasoerin Exocytosed from Glioma Cells Facilitates Angiogenesis via VEGFR2/AKT Signaling Pathway. *Molecular cancer research : MCR*, 22(7), 668.

Tang M, et al. (2024) Inhibition of thioredoxin reductase 1 sensitizes glucose-starved glioblastoma cells to disulfidoptosis. *Cell death and differentiation*.

Denisova OV, et al. (2023) PP2A-based triple-strike therapy overcomes mitochondrial apoptosis resistance in brain cancer cells. *Molecular oncology*, 17(9), 1803.

Feng Y, et al. (2023) Engineering CD276/B7-H3-targeted antibody-drug conjugates with enhanced cancer-eradicating capability. *Cell reports*, 42(12), 113503.

Xu J, et al. (2023) Identifying the personalized driver gene sets maximally contributing to abnormality of transcriptome phenotype in glioblastoma multiforme individuals. *Molecular oncology*, 17(11), 2472.

Sun K, et al. (2023) Oncolytic Viral Therapy for Glioma by Recombinant Sindbis Virus. *Cancers*, 15(19).

Thomas D, et al. (2023) Dysregulated Lipid Synthesis by Oncogenic IDH1 Mutation Is a Targetable Synthetic Lethal Vulnerability. *Cancer discovery*, 13(2), 496.

Moyano A, et al. (2023) Differing natural killer cell, T cell and antibody profiles in antiretroviral-naive HIV-1 viraemic controllers with and without protective HLA alleles. *PLoS one*, 18(6), e0286507.

Jensen BO, et al. (2023) In-depth virological and immunological characterization of HIV-1 cure after CCR5?32/?32 allogeneic hematopoietic stem cell transplantation. *Nature medicine*, 29(3), 583.

Montoya VR, et al. (2023) A Virus-Packageable CRISPR System Identifies Host Dependency Factors Co-Opted by Multiple HIV-1 Strains. *mBio*, 14(1), e0000923.

Joyce C, et al. (2023) Antigen pressure from two founder viruses induces multiple insertions at a single antibody position to generate broadly neutralizing HIV antibodies. *PLoS pathogens*, 19(6), e1011416.

Ugwu-Korie N, et al. (2023) Structure-Based Identification of Natural-Product-Derived Compounds with Potential to Inhibit HIV-1 Entry. *Molecules* (Basel, Switzerland), 28(2).

Vítovcová B, et al. (2023) Flubendazole exhibits anti-glioblastoma effect by inhibiting STAT3 and promoting cell cycle arrest. *Scientific reports*, 13(1), 5993.

Tang W, et al. (2023) Neutralization Sensitivity and Evolution of Virus in a Chronic HIV-1 Clade B Infected Patient with Neutralizing Activity against Membrane-Proximal External Region. *Pathogens* (Basel, Switzerland), 12(3).

Sharma VK, et al. (2023) Characterization of serotonin-5-HTR1E signaling pathways and its role in cell survival. *Research square*.

Lista MJ, et al. (2023) A Nuclear Export Signal in KHNYN Required for Its Antiviral Activity Evolved as ZAP Emerged in Tetrapods. *Journal of virology*, 97(1), e0087222.

Bi M, et al. (2023) Expression of HSPA14 in patients with acute HIV-1 infection and its effect on HIV-1 replication. *Frontiers in immunology*, 14, 1123600.

Chapman R, et al. (2023) Needle-Free Devices and CpG-Adjuvanted DNA Improve Anti-HIV Antibody Responses of Both DNA and Modified Vaccinia Ankara-Vectored Candidate Vaccines. *Vaccines*, 11(2).

Yousefi M, et al. (2023) Stability of APOBEC3F in the Presence of the APOBEC3 Antagonist HIV-1 Vif Increases at the Expense of Co-Expressed APOBEC3H Haplotype I. *Viruses*, 15(2).

Znaidia M, et al. (2023) Exposure to Secreted Bacterial Factors Promotes HIV-1 Replication in CD4+ T Cells. *Microbiology spectrum*, 11(2), e0431322.