

Resource Summary Report

Generated by [NIF](#) on Sep 20, 2026

MeWo

RRID:CVCL_0445

Type: Cell Line

Proper Citation

RRID:CVCL_0445

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0445

Proper Citation: RRID:CVCL_0445

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

Sex: Male

Disease: Cutaneous melanoma

Defining Citation: [PMID:327080](#), [PMID:833871](#), [PMID:978138](#), [PMID:1067619](#), [PMID:1383272](#), [PMID:2068080](#), [PMID:3518877](#), [PMID:6582512](#), [PMID:6933476](#), [PMID:6935474](#), [PMID:7017212](#), [PMID:7175440](#), [PMID:7459858](#), [PMID:7646526](#), [PMID:7908310](#), [PMID:9290701](#), [PMID:9598804](#), [PMID:15592718](#), [PMID:17260012](#), [PMID:20164919](#), [PMID:20215515](#), [PMID:22460905](#), [PMID:23851445](#), [PMID:25485619](#), [PMID:25877200](#), [PMID:25960936](#), [PMID:26589293](#), [PMID:27397505](#), [PMID:27600516](#), [PMID:30894373](#), [PMID:31068700](#), [PMID:31978347](#), [PMID:35839778](#)

Comments: Population: Caucasian., From: Memorial Sloan Kettering Cancer Center; New York; USA., Part of: ERK genetic alteration cell panel (ATCC TCP-1033)., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE).

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: MeWo

Synonyms: MEWO, Mewo, Me Wo, Me-Wo, Mevo, SK-MEL-MeWo, Mel-MeWo, BI-Mel, EST50

Cross References: BTO:BTO_0003301, CLO:CLO_0007687, CLO:CLO_0007688, EFO:EFO_0006648, MCCL:MCC:0000341, CLDB:cl3456, CLDB:cl3458, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, ATCC:HTB-65, BCRC:60540, BCRJ:0358, BioGRID_ORCS_Cell_line:184, BioSample:SAMN01821578, BioSample:SAMN01821699, BioSample:SAMN03470821, BioSample:SAMN05292463, BioSample:SAMN10987991, cancercellines:CVCL_0445, Cell_Model_Passport:SIDM00545, ChEMBL-Cells:ChEMBL3308024, ChEMBL-Targets:ChEMBL613300, CLS:300285, Cosmic:721835, Cosmic:886829, Cosmic:908128, Cosmic:928689, Cosmic:932713, Cosmic:933141, Cosmic:972284, Cosmic:1047647, Cosmic:1060422, Cosmic:1132584, Cosmic:1238113, Cosmic:1303046, Cosmic:1995506, Cosmic:2036702, Cosmic:2159442, Cosmic:2163794, Cosmic:2651875, Cosmic-CLP:908128, DepMap:ACH-000987, ECACC:93082609, EGA:EGAS00001000610, EGA:EGAS00001000978, ESTDAB:ESTDAB-050, GDSC:908128, GEO:GSM156016, GEO:GSM188224, GEO:GSM188254, GEO:GSM188313, GEO:GSM206525, GEO:GSM274688, GEO:GSM827470, GEO:GSM887310, GEO:GSM888386, GEO:GSM1670097, GEO:GSM3039511, GEO:GSM3039514, GEO:GSM3039515, IARC_TP53:26074, ICLC:HTL97019, JCRB:JCRB0066, LiGeA:CCLE_829, LINCS_LDP:LCL-1253, Lonza:437, PharmacDB:Mewo_918_2019, PRIDE:PXD030304, Progenetix:CVCL_0445, PubChem_Cell_line:CVCL_0445, Wikidata:Q54905336

ID: CVCL_0445

Record Creation Time: 20220427T220804+0000

Record Last Update: 20260920T004500+0000

Ratings and Alerts

No rating or validation information has been found for MeWo.

No alerts have been found for MeWo.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 35 mentions in open access literature.

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

Hang JF, et al. (2026) Out-of-frame CBX3::ALK fusion drives ALK activation and therapy response. Cell reports. Medicine, 7(4), 102697.

Kuo CH, et al. (2026) Thrombomodulin facilitates melanoma progression via FAK- and ezrin-mediated phenotypic plasticity. Journal of biomedical science, 33(1), 14.

Chan HHY, et al. (2025) RAC1-Amplified and RAC1-A159V Hotspot-Mutated Head and Neck Cancer Sensitive to the Rac Inhibitor EHOp-016 In Vivo: A Proof-of-Concept Study. *Cancers*, 17(3).

Deuschmeyer VE, et al. (2025) SIAH3 is frequently epigenetically silenced in cancer and regulates mitochondrial metabolism. *International journal of cancer*, 156(2), 353.

Ibrahim M, et al. (2025) NF1 Loss Promotes EGFR Activation and Confers Sensitivity to EGFR Inhibition in NF1-Mutant Melanoma. *Cancer research*, 85(17), 3348.

Gurung S, et al. (2025) Stromal lipid species dictate melanoma metastasis and tropism. *Cancer cell*, 43(6), 1108.

Caksa S, et al. (2025) Elevated Transglutaminase-2 in SOX10-Deficient Melanoma Promotes Tumor Onset and Decreases Intratumoral CD4+ T Cells. *Cancer research*.

Parihar K, et al. (2025) Tissue-dependent mechanosensing by cells derived from human tumors. *npj biological physics and mechanics*, 2(1), 19.

Li Y, et al. (2025) Single-Cell Transcriptomic Landscape Deciphers Intratumoral Heterogeneity and Subtypes of Acral and Mucosal Melanomas. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 31(12), 2495.

Boucher J, et al. (2025) CDK12 inhibition reveals melanoma dependence on the RUNX1/CBF?? complex for genomic stability. *Cell reports*, 44(11), 116495.

Becker AMD, et al. (2024) Inhibition of CSF-1R and IL-6R prevents conversion of cDC2s into immune incompetent tumor-induced DC3s boosting DC-driven therapy potential. *Cell reports. Medicine*, 5(2), 101386.

Rosenbaum SR, et al. (2024) SOX10 Loss Sensitizes Melanoma Cells to Cytokine-Mediated Inflammatory Cell Death. *Molecular cancer research : MCR*, 22(2), 209.

Sheen YS, et al. (2024) Insulin-like growth factor 2 mRNA-binding protein 3 enhanced melanoma migration through regulation of AKT1 and RELA expression. *Experimental dermatology*, 33(1), e15015.

Arroyo Villora S, et al. (2024) Biomarker RIPK3 Is Silenced by Hypermethylation in Melanoma and Epigenetic Editing Reestablishes Its Tumor Suppressor Function. *Genes*, 15(2).

Liu C, et al. (2023) Cell-to-cell variability in Myc dynamics drives transcriptional heterogeneity in cancer cells. *Cell reports*, 42(4), 112401.

Strobel TD, et al. (2023) Revisiting the role of endogenous STAT3 in HPV-positive cervical cancer cells. *Journal of medical virology*, 95(11), e29230.

Cammann C, et al. (2023) Proteasome inhibition potentiates Kv1.3 potassium channel expression as therapeutic target in drug-sensitive and -resistant human melanoma cells. *Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie*, 168, 115635.

Kojima Y, et al. (2023) Decreased liver B vitamin-related enzymes as a metabolic hallmark of cancer cachexia. *Nature communications*, 14(1), 6246.

van Vliet AA, et al. (2023) Early TRAIL-engagement elicits potent multimodal targeting of melanoma by CD34+ progenitor cell-derived NK cells. *iScience*, 26(7), 107078.

Zimmer N, et al. (2023) Nuclear Glycoprotein A Repetitions Predominant (GARP) Is a Common Trait of Glioblastoma Stem-like Cells and Correlates with Poor Survival in Glioblastoma Patients. *Cancers*, 15(24).