

Resource Summary Report

Generated by [NIF](#) on Aug 29, 2026

MDA-MB-231

RRID:CVCL_0062

Type: Cell Line

Proper Citation

RRID:CVCL_0062

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0062

Proper Citation: RRID:CVCL_0062

Description: Cell line MDA-MB-231 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Female

Disease: Breast adenocarcinoma

Defining Citation: [PMID:77569](#), [PMID:730202](#), [PMID:833871](#), [PMID:1000504](#), [PMID:1000505](#), [PMID:1000506](#), [PMID:1961733](#), [PMID:3335022](#), [PMID:3518877](#), [PMID:4412247](#), [PMID:6582512](#), [PMID:6935474](#), [PMID:7000337](#), [PMID:7272986](#), [PMID:7459858](#), [PMID:7902062](#), [PMID:8824553](#), [PMID:9331090](#), [PMID:9670966](#), [PMID:9671407](#), [PMID:9815641](#), [PMID:10700174](#), [PMID:10969801](#), [PMID:11499871](#), [PMID:11687795](#), [PMID:11697798](#), [PMID:12068308](#), [PMID:12353263](#), [PMID:12661003](#), [PMID:12800145](#), [PMID:15153330](#), [PMID:15677628](#), [PMID:15748285](#), [PMID:15767549](#), [PMID:15900046](#), [PMID:16049480](#), [PMID:16142302](#), [PMID:16397213](#), [PMID:16417655](#), [PMID:16541312](#), [PMID:17088437](#), [PMID:17157791](#), [PMID:17334996](#), [PMID:18277095](#), [PMID:18386134](#), [PMID:18516279](#), [PMID:18714363](#), [PMID:19372543](#), [PMID:19582160](#), [PMID:19593635](#), [PMID:20070913](#), [PMID:20164919](#), [PMID:21378333](#), [PMID:21778573](#), [PMID:22068913](#), [PMID:22336246](#), [PMID:22347499](#), [PMID:22384151](#), [PMID:22460905](#), [PMID:22585861](#), [PMID:22628656](#), [PMID:23151021](#), [PMID:23601657](#), [PMID:23856246](#), [PMID:23933261](#), [PMID:24009699](#), [PMID:24094812](#), [PMID:24162158](#), [PMID:24176112](#), [PMID:24279929](#), [PMID:24389870](#), [PMID:24670534](#), [PMID:25485619](#), [PMID:25877200](#), [PMID:25892236](#), [PMID:25960936](#), [PMID:26055192](#), [PMID:26218769](#), [PMID:26589293](#), [PMID:26649326](#), [PMID:27331101](#), [PMID:27377824](#), [PMID:27397505](#), [PMID:27807467](#), [PMID:28196595](#), [PMID:28287265](#), [PMID:28889351](#), [PMID:29273624](#), [PMID:30894373](#), [PMID:30971826](#), [PMID:31068700](#), [PMID:31092827](#), [PMID:31733513](#), [PMID:31978347](#), [PMID:32782317](#), [PMID:34238275](#), [PMID:34320349](#), [PMID:35042871](#), [PMID:35666001](#), [PMID:35839778](#), [PMID:38861359](#)

Comments: Anecdotal: Used in a study utilising the fruit fly's olfactory system to detect cancer cells (PubMed=24389870)., Population: Caucasian., Part of: NCI-60 cancer cell line panel., Part of: MD Anderson Cell Lines Project., Part of: KuDOS 95 cell line panel., Part of: JWGray breast cancer cell line panel., Part of: JFCR45 cancer cell line panel., Part of: JFCR39 cancer cell line panel., Part of: ICBP43 breast cancer cell line 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: Triple negative breast cancer (TNBC) cell line.

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: MDA-MB-231

Synonyms: MDA_MB_231, MDA-MB 231, MDA.MB.231, MDA MB 231, MDA MB231, MDA Mb231, MDA-MB231, MDAMB-231, MDAMB231, MDA-231, MDA-231P, MDA231, MDA231-BRE, MB231, MD Anderson-Metastatic Breast-231

Cross References: BTO:BTO_0000815, CLO:CLO_0007634, CLO:CLO_0037291, EFO:EFO_0001209, MCCL:MCC:0000313, CLDB:cl3402, CLDB:cl3404, CLDB:cl3405, CLDB:cl4945, AddexBio:C0006002/58, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, ArrayExpress:E-MTAB-11134, ArrayExpress:E-TABM-157, ArrayExpress:E-TABM-244, ATCC:CRM-HTB-26, ATCC:HTB-26, BCRC:60425, BCRJ:0164, BioGRID_ORCS_Cell_line:554, BioSample:SAMN03472205, BioSample:SAMN05292460, BioSample:SAMN07710033, BioSample:SAMN07710034, BioSample:SAMN07710035, BioSample:SAMN07710036, BioSample:SAMN07710037, BioSample:SAMN07710038, BioSample:SAMN07710039, BioSample:SAMN10987764, cancercellines:CVCL_0062, CCRID:1101HUM-PUMC000014, CCRID:3101HUMSCSP5043, CCRID:3101HUMTCHu227, CCRID:4201HUM-CCTCC00297, CCRID:5301HUM-KCB07076YJ, CCTCC:GDC0297, Cell_Model_Passport:SIDM00146, ChEMBL-Cells:ChEMBL3307960, ChEMBL-Targets:ChEMBL400, CLS:300275, Cosmic:687494, Cosmic:871146, Cosmic:875878, Cosmic:877450, Cosmic:894087, Cosmic:897423, Cosmic:904377, Cosmic:905960, Cosmic:934536, Cosmic:944294, Cosmic:974235, Cosmic:991324, Cosmic:997929, Cosmic:1010924, Cosmic:1018477, Cosmic:1027053, Cosmic:1044226, Cosmic:1046950, Cosmic:1047693, Cosmic:1071900, Cosmic:1092613, Cosmic:1136369, Cosmic:1152528, Cosmic:1175833, Cosmic:1176602, Cosmic:1176636, Cosmic:1183773, Cosmic:1219444, Cosmic:1287926, Cosmic:1289395, Cosmic:1305383, Cosmic:1309003, Cosmic:1312370, Cosmic:1434952, Cosmic:1436032, Cosmic:1466805, Cosmic:1477428, Cosmic:1481426, Cosmic:1524347, Cosmic:1571793, Cosmic:1609458, Cosmic:1927242, Cosmic:1945862, Cosmic:1998455, Cosmic:2009512, Cosmic:2036667, Cosmic:2164997, Cosmic:2301528, Cosmic:2318377, Cosmic:2361355, Cosmic:2560256, Cosmic-CLP:905960, DepMap:ACH-000768, DSMZ:ACC-732, DSMZCellDive:ACC-732, ECACC:92020424, EGA:EGAS00001000610, EGA:EGAS00001000978, EGA:EGAS00001002554, FCS-free:253-2-521-2-3-3, GDSC:905960, GEO:GSM812, GEO:GSM2124, GEO:GSM49953, GEO:GSM49954, GEO:GSM50184, GEO:GSM50248, GEO:GSM69194, GEO:GSM155213, GEO:GSM185093, GEO:GSM185094, GEO:GSM274653, GEO:GSM344349, GEO:GSM344399, GEO:GSM350547, GEO:GSM378148, GEO:GSM388213, GEO:GSM421873, GEO:GSM459713, GEO:GSM481304, GEO:GSM587393, GEO:GSM587394, GEO:GSM750781, GEO:GSM799321,

GEO:GSM799384, GEO:GSM820814, GEO:GSM820815, GEO:GSM820816, GEO:GSM839034, GEO:GSM844594, GEO:GSM844595, GEO:GSM847036, GEO:GSM847401, GEO:GSM887295, GEO:GSM888370, GEO:GSM967818, GEO:GSM1008905, GEO:GSM1053716, GEO:GSM1153390, GEO:GSM1172889, GEO:GSM1172979, GEO:GSM1181242, GEO:GSM1181365, GEO:GSM1214569, GEO:GSM1238120, GEO:GSM1374651, GEO:GSM1374652, GEO:GSM1401658, GEO:GSM1613823, GEO:GSM1670080, GEO:GSM1833624, GEO:GSM2095710, GEO:GSM2095711, GEO:GSM2124643, GEO:GSM2258848, GEO:GSM2258849, GEO:GSM2258850, GEO:GSM2258851, GEO:GSM2258852, GEO:GSM2258853, GEO:GSM2258854, GEO:GSM2258855, GEO:GSM2258856, GEO:GSM2258857, GEO:GSM2258858, GEO:GSM2258859, GEO:GSM2258860, GEO:GSM2258861, GEO:GSM2258862, GEO:GSM2258863, GEO:GSM2258864, GEO:GSM2258865, GEO:GSM2258932, GEO:GSM2258933, GEO:GSM2258934, GEO:GSM3161720, GEO:GSM3161721, IARC_TP53:6, IBRC:C10684, ICLC:HTL99004, IZSLER:BS TCL 223, KCB:KCB 200776YJ, KCLB:30026, LiGeA:CCLE_752, LINCS_HMS:50058, LINCS_LDP:LCL-1461, Lonza:815, MetaboLights:MTBLS337, MetaboLights:MTBLS387, MetaboLights:MTBLS678, NCBI_Iran:C578, NCI-DTP:MDA-MB-231, PharmacDB:MDAMB231_900_2019, PRIDE:PXD000239, PRIDE:PXD000397, PRIDE:PXD000691, PRIDE:PXD000914, PRIDE:PXD001553, PRIDE:PXD002192, PRIDE:PXD002649, PRIDE:PXD003539, PRIDE:PXD005292, PRIDE:PXD005942, PRIDE:PXD005946, PRIDE:PXD008222, PRIDE:PXD010634, PRIDE:PXD028400, PRIDE:PXD030304, Progenetix:CVCL_0062, PubChem_Cell_line:CVCL_0062, SKY/M-FISH/CGH:2815, SLKBase:3575, TOKU-E:2394, Ubigen:YC-D005, Wikidata:Q17577870

ID: CVCL_0062

Record Creation Time: 20220427T220755+0000

Record Last Update: 20260815T234559+0000

Ratings and Alerts

No rating or validation information has been found for MDA-MB-231.

Warning: Discontinued: ATCC; CRL-12532

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Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 20024 mentions in open access literature.

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

Liang B, et al. (2026) OTUD4-ZMYND8-DDX3X Axis Drives Immunosuppressive Microenvironment in Spinal Metastases of Triple-Negative Breast Cancer. *Neoplasia* (New York, N.Y.), 71, 101259.

Ohno H, et al. (2026) Label-free imaging of intracellular structures in living mammalian cells via external apodization phase-contrast microscopy. *The FEBS journal*, 293(4), 1127.

Liu M, et al. (2026) Stimuli-Responsive CuFeTe₂ Nanosheets for Amplified Cuproptosis/Ferroptosis in Triple-Negative Breast Cancer Therapy. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(3), e05739.

Kopp A, et al. (2026) In Vivo Auto-tuning of Antibody-Drug Conjugate Delivery to Maximize Efficacy Using High-Avidity, Low-Affinity Antibodies. *Molecular cancer therapeutics*, 25(4), 610.

Li Z, et al. (2026) Exploration of precise classification and therapeutic targets of breast cancer based on genes related to neuro-cancer crosstalk. *Translational oncology*, 64, 102647.

Dai Y, et al. (2026) tRF-1432 orchestrates RBMS1-IMPDH2 regulatory control to drive purine-dependent chemoresistance in breast cancer. *Cancer letters*, 646, 218408.

Esapa B, et al. (2026) An antibody-drug conjugate designed through clone and isotype selection restricts the growth of CSPG4-expressing triple-negative breast cancer. *NPJ precision oncology*, 10(1).

Yang Z, et al. (2026) Syndecan-1-targeted therapeutic antibody impairs macropinocytosis and elicits antitumor immunity in pancreatic cancer. *Cell reports. Medicine*, 7(2), 102613.

Tao F, et al. (2026) An atom-edged magnetic nanomotor for cancer mechanotherapy. *iScience*, 29(3), 114994.

MacLean MR, et al. (2026) Selective inhibition of ALDH1A3 impedes breast cancer growth and metastasis by blocking ALDH1A3-driven transcriptional programs. *iScience*, 29(3), 114863.

Sanchez A, et al. (2026) R-PLA enables enhanced detection of R-loops in mammalian cells using proximity ligation. *Cell reports methods*, 6(5), 101380.

Happernegg E, et al. (2026) Human brain pericytes protect the blood-brain barrier from triple-negative breast cancer cells while promoting tumor aggressiveness. *Journal of cell communication and signaling*, 20(2), e70070.

Kativa M, et al. (2026) Naringin Potentiates Docetaxel-Induced Apoptosis in Breast Cancer Cells via Transient Interaction with the TUBB3 GTP-Binding Site. *Cell biochemistry and biophysics*.

Wu HJ, et al. (2026) Fluoxetine suppresses triple-negative breast cancer progression by inducing apoptosis, inhibiting Src-mediated invasiveness, and enhancing anti-tumor immunity. *Molecular medicine* (Cambridge, Mass.), 32(1).

Ma RF, et al. (2026) ent-Abietane Diterpenoids From *Phlogacanthus curviflorus*. *Chemistry & biodiversity*, 23(2), e71000.

Zhang Y, et al. (2026) Repression of PRMT activities sensitize human homologous recombination-proficient ovarian and breast cancer cells to PARP inhibitor treatment. *eLife*, 13.

Marini C, et al. (2026) The pivotal role of endoplasmic reticulum in cancer glucose metabolism. *iScience*, 29(1), 114503.

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

Przanowska R, et al. (2026) IL-6R blockade with tocilizumab disrupts pericyte- and tumor cell-driven IL-6/STAT3 signaling, enhancing docetaxel efficacy in ER+ breast cancer. *bioRxiv* : the preprint server for biology.

Tong Q, et al. (2026) Detachment-Induced FAK-STAT3-NNMT Inhibits CTCs Anoikis to Promote Breast Cancer Metastasis by Enhancing Fatty Acid Oxidation. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(29), e22837.