

Resource Summary Report

Generated by [RRID](#) on Sep 9, 2026

Melan-a

RRID:CVCL_4624

Type: Cell Line

Proper Citation

RRID:CVCL_4624

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_4624

Proper Citation: RRID:CVCL_4624

Description: Cell line Melan-a is a Spontaneously immortalized cell line with a species of origin Mus musculus (Mouse)

Sex: Sex unspecified

Defining Citation: [PMID:3102392](#), [PMID:16611417](#), [PMID:28198377](#)

Category: Spontaneously immortalized cell line

Organism: Mus musculus (Mouse)

Name: Melan-a

Synonyms: melan-a

Cross References: BTO:BTO_0003216, CancerTools:153599, ChEMBL-Cells:ChEMBL4295432, ChEMBL-Targets:ChEMBL4296474, Lonza:161, Millipore:SCC202, PubChem_Cell_line:CVCL_4624, Wikidata:Q54905173, Ximbio:153599

ID: CVCL_4624

Record Creation Time: 20220427T220802+0000

Record Last Update: 20260905T181135+0000

Ratings and Alerts

No rating or validation information has been found for Melan-a.

No alerts have been found for Melan-a.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 112 mentions in open access literature.

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

Kim JY, et al. (2023) Inhibition of Melanosome Transport by Inducing Exon Skipping in Melanophilin. *Biomolecules & therapeutics*, 31(4), 466.

Monmai C, et al. (2023) Protopanaxadiol-Enriched Rice Extracts Suppressed Oxidative and Melanogenic Activities in Melan-a Cells. *Antioxidants (Basel, Switzerland)*, 12(1).

Baek EJ, et al. (2022) Dehydroglyasperin D Suppresses Melanin Synthesis through MITF Degradation in Melanocytes. *Journal of microbiology and biotechnology*, 32(8), 982.

Wang J, et al. (2022) VDAC1 negatively regulates melanogenesis through the Ca²⁺-calcineurin-CRTC1-MITF pathway. *Life science alliance*, 5(10).

Moon KM, et al. (2022) Maclurin Exhibits Antioxidant and Anti-Tyrosinase Activities, Suppressing Melanogenesis. *Antioxidants (Basel, Switzerland)*, 11(6).

Lim SJ, et al. (2022) SNA077, an Extract of Marine Streptomyces sp., Inhibits Melanogenesis by Downregulating Melanogenic Proteins via Inactivation of cAMP/PKA/CREB Signaling. *International journal of molecular sciences*, 23(23).

Gutwillig A, et al. (2022) Transient cell-in-cell formation underlies tumor relapse and resistance to immunotherapy. *eLife*, 11.

Maruta Y, et al. (2022) Large Rab GTPase Rab44 regulates microtubule-dependent retrograde melanosome transport in melanocytes. *The Journal of biological chemistry*, 298(11), 102508.

Bachmann M, et al. (2022) Pharmacological targeting of the mitochondrial calcium-dependent potassium channel KCa3.1 triggers cell death and reduces tumor growth and metastasis in vivo. *Cell death & disease*, 13(12), 1055.

Rius FE, et al. (2022) Genome-wide promoter methylation profiling in a cellular model of melanoma progression reveals markers of malignancy and metastasis that predict melanoma survival. *Clinical epigenetics*, 14(1), 68.

Kantayos V, et al. (2022) Enhanced Anti-Skin-Aging Activity of Yeast Extract-Treated Resveratrol Rice DJ526. *Molecules (Basel, Switzerland)*, 27(6).

Zhao P, et al. (2022) Fuzhuan Brick Tea Boosts Melanogenesis and Prevents Hair Graying through Reduction of Oxidative Stress via NRF2-HO-1 Signaling. *Antioxidants (Basel, Switzerland)*, 11(3).

Bok I, et al. (2022) A Series of BRAF- and NRAS-Driven Murine Melanoma Cell Lines with Inducible Gene Modulation Capabilities. *JID innovations : skin science from molecules to population health*, 2(2), 100076.

Pessoa DO, et al. (2021) Transcriptional signatures underlying dynamic phenotypic switching and novel disease biomarkers in a linear cellular model of melanoma progression. *Neoplasia (New York, N.Y.)*, 23(4), 439.

Kyjacova L, et al. (2021) IER2-induced senescence drives melanoma invasion through osteopontin. *Oncogene*, 40(47), 6494.

Francisquini R, et al. (2021) Community-based network analyses reveal emerging connectivity patterns of protein-protein interactions in murine melanoma secretome. *Journal of proteomics*, 232, 104063.

Lim SJ, et al. (2021) Pseudoalteromone A, a Ubiquinone Derivative from Marine *Pseudoalteromonas* spp., Suppresses Melanogenesis. *Marine drugs*, 19(11).

Hamm M, et al. (2021) BRN2 is a non-canonical melanoma tumor-suppressor. *Nature communications*, 12(1), 3707.

Allouche J, et al. (2021) NNT mediates redox-dependent pigmentation via a UVB- and MITF-independent mechanism. *Cell*, 184(16), 4268.

Freilikhman S, et al. (2021) Melanocytes determine angiogenesis gene expression across human tissues. *PloS one*, 16(5), e0251121.