

Resource Summary Report

Generated by [dkNET](#) on Aug 10, 2026

501-mel

RRID:CVCL_4633

Type: Cell Line

Proper Citation

RRID:CVCL_4633

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_4633

Proper Citation: RRID:CVCL_4633

Description: Cell line 501-mel is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Female

Disease: Melanoma

Defining Citation: [PMID:8027550](#), [PMID:9670966](#), [PMID:10048982](#), [PMID:15467732](#), [PMID:15592718](#), [PMID:20149136](#), [PMID:21343389](#), [PMID:23671654](#), [PMID:23851445](#), [PMID:25950383](#), [PMID:25960936](#), [PMID:30674989](#)

Comments: From: Rosenberg, Steven A.; Surgery Branch, National Cancer Institute, National Institutes of Health; Bethesda; USA.

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: 501-mel

Synonyms: 501-MEL, 501 mel, 501 Mel, 501Mel, 501mel, 501MEL, 501, Mel 501, Mel501, MEL501, Me 501, Me-501, Me501

Cross References: BTO:BTO_0002956, cancercellines:CVCL_4633, CGH-DB:9296-4, Cosmic:686481, Cosmic:876680, Cosmic:905210, Cosmic:1197392, Cosmic:1238106, Cosmic:1458962, Cosmic:1559440, Cosmic:2159451, Cosmic:2163827, Cosmic:2440478, ESTDAB:ESTDAB-120, GEO:GSM188239, GEO:GSM188269, GEO:GSM188328, GEO:GSM433918, GEO:GSM555120, GEO:GSM555174, IGRhCellID:501Mel, Progenetix:CVCL_4633, Wikidata:Q54603677

ID: CVCL_4633

Record Creation Time: 20220427T215055+0000

Record Last Update: 20260809T004638+0000

Ratings and Alerts

No rating or validation information has been found for 501-mel.

No alerts have been found for 501-mel.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 22 mentions in open access literature.

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

Ramírez-Sánchez A, et al. (2026) Metabolic buffering restricts phenotype switching in melanoma. The EMBO journal.

Berra C, et al. (2026) AhR-dependent ferroptosis as a therapeutic opportunity to counteract BRAFi-resistance in melanoma. Cell death discovery, 12(1).

Chocarro-Calvo A, et al. (2025) Fatty acid uptake activates an AXL-CAV1-?-catenin axis to drive melanoma progression. Genes & development, 39(7-8), 463.

Ramírez-Sánchez A, et al. (2025) Metabolic buffering suppresses phenotype switching in cancer. bioRxiv : the preprint server for biology.

Petroulia S, et al. (2025) Uncovering Novel lncRNAs Linked to Melanoma Growth and Migration with CRISPR Inhibition Screening. Cancer research communications, 5(7), 1102.

Sipoloni VM, et al. (2025) Rotenoids from the Roots of *Vicia faba* L. (Fabaceae): Structural Characterization, Cytotoxic Effects, and Molecular Docking. Chemistry & biodiversity, e01091.

Kajewole D, et al. (2025) The novel amino-artemisinin derivative WHN-11 disrupts mitochondria and protein homeostasis, and induces autophagy and apoptosis in cancer cells. Scientific reports, 15(1), 21604.

Cannon AC, et al. (2024) Unique vulnerability of RAC1-mutant melanoma to combined inhibition of CDK9 and immune checkpoints. Oncogene, 43(10), 729.

Meißgeier T, et al. (2024) Splicing control by PHF5A is crucial for melanoma cell survival. Cell proliferation, e13741.

Chocarro-Calvo A, et al. (2024) Phenotype-specific melanoma uptake of fatty acid from human adipocytes activates AXL and CAV1-dependent β -catenin nuclear accumulation. bioRxiv : the preprint server for biology.

Fischer KD, et al. (2024) Long non-coding RNA GRASLND links melanoma differentiation and interferon-gamma response. Frontiers in molecular biosciences, 11, 1471100.

Cannon AC, et al. (2023) Unique vulnerability of RAC1-mutant melanoma to combined inhibition of CDK9 and immune checkpoints. bioRxiv : the preprint server for biology.

Vidal-Cruchez O, et al. (2023) KRAS and NRAS Translation Is Increased upon MEK Inhibitors-Induced Processing Bodies Dissolution. Cancers, 15(12).

Zouiouich M, et al. (2022) MOSPD2 is an endoplasmic reticulum-lipid droplet tether functioning in LD homeostasis. The Journal of cell biology, 221(6).

Carcamo S, et al. (2022) Altered BAF occupancy and transcription factor dynamics in PBAF-deficient melanoma. Cell reports, 39(1), 110637.

Soederberg A, et al. (2022) MAGOH and MAGOHB Knockdown in Melanoma Cells Decreases Nonsense-Mediated Decay Activity and Promotes Apoptosis via Upregulation of GADD45A. Cells, 11(23).

McNeal AS, et al. (2021) BRAFV600E induces reversible mitotic arrest in human melanocytes via microRNA-mediated suppression of AURKB. eLife, 10.

Ho JS, et al. (2021) HNRNPM controls circRNA biogenesis and splicing fidelity to sustain cancer cell fitness. eLife, 10.

Linck-Paulus L, et al. (2021) Learning from Embryogenesis-A Comparative Expression Analysis in Melanoblast Differentiation and Tumorigenesis Reveals miRNAs Driving Melanoma Development. Journal of clinical medicine, 10(11).

Louphrasitthiphol P, et al. (2020) Tuning Transcription Factor Availability through Acetylation-Mediated Genomic Redistribution. Molecular cell, 79(3), 472.