

Resource Summary Report

Generated by [NIF](#) on Sep 16, 2026

DMS 53

RRID:CVCL_1177

Type: Cell Line

Proper Citation

RRID:CVCL_1177

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_1177

Proper Citation: RRID:CVCL_1177

Description: Cell line DMS 53 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Lung small cell carcinoma

Defining Citation: [PMID:2986244](#), [PMID:6266631](#), [PMID:9744504](#), [PMID:12712436](#), [PMID:15016488](#), [PMID:17426248](#), [PMID:20164919](#), [PMID:20215515](#), [PMID:22460905](#), [PMID:22961666](#), [PMID:25485619](#), [PMID:25877200](#), [PMID:25960936](#), [PMID:26589293](#), [PMID:27247353](#), [PMID:27397505](#), [PMID:28766886](#), [PMID:30894373](#), [PMID:31068700](#), [PMID:32586373](#), [PMID:35839778](#)

Comments: Population: Caucasian., 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: DMS 53

Synonyms: DMS-53, DMS53, Darmouth Medical School 53

Cross References: BTO:BTO_0005668, CLO:CLO_0002799, EFO:EFO_0002165, CLDB:cl1081, AddexBio:C0016027/4988, ArrayExpress:E-MTAB-38, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, ATCC:CRL-2062, BioSample:SAMN03472957, BioSample:SAMN10987596, cancercellines:CVCL_1177, Cell_Model_Passport:SIDM00523, ChEMBL-Cells:ChEMBL3308726, ChEMBL-Targets:ChEMBL1075434, Cosmic:907295,

Cosmic:1995386, Cosmic:2125221, Cosmic:2648008, Cosmic-CLP:907295, DepMap:ACH-000698, ECACC:95062823, EGA:EGAS00001000610, EGA:EGAS00001000978, GDSC:907295, GEO:GSM17307, GEO:GSM169436, GEO:GSM170721, GEO:GSM170722, GEO:GSM886984, GEO:GSM888053, GEO:GSM1669737, GEO:GSM1887955, GEO:GSM1888032, IARC_TP53:21308, IGRhCellID:DMS53, LiGeA:CCLE_721, LINCX_LDP:LCL-1808, PharmacDB:DMS53_300_2019, PRIDE:PXD011896, PRIDE:PXD030304, Progenetix:CVCL_1177, PubChem_Cell_line:CVCL_1177, Wikidata:Q54831310

ID: CVCL_1177

Record Creation Time: 20220427T215820+0000

Record Last Update: 20260913T003016+0000

Ratings and Alerts

No rating or validation information has been found for DMS 53.

No alerts have been found for DMS 53.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Gu JJ, et al. (2026) ABL kinase inactivation induces transcription-replication conflicts and impairs replication fork progression in metastatic small cell lung cancer. Cell reports, 45(7), 117699.

Li C, et al. (2025) Preclinical Evaluation of DB-1419, a Novel Bifunctional and Bispecific Anti-B7-H3 × PD-L1 Antibody-Drug Conjugate. Clinical cancer research : an official journal of the American Association for Cancer Research, 31(16), 3581.

Tedeschi A, et al. (2025) Pan-KRAS Inhibitors BI-2493 and BI-2865 Display Potent Antitumor Activity in Tumors with KRAS Wild-type Allele Amplification. Molecular cancer therapeutics, 24(4), 550.

Fanti R, et al. (2024) A guide to selecting high-performing antibodies for Huntingtin (UniProt ID: P42858) for use in western blot, immunoprecipitation, and immunofluorescence. F1000Research, 13, 922.

Wang Z, et al. (2024) Molecular subtypes of neuroendocrine carcinomas: A cross-tissue classification framework based on five transcriptional regulators. Cancer cell, 42(6), 1106.

Tveriakhina L, et al. (2024) Temporal dynamics and stoichiometry in human Notch signaling from Notch synaptic complex formation to nuclear entry of the Notch intracellular domain. *Developmental cell*, 59(11), 1425.

Köferle A, et al. (2022) Interrogation of cancer gene dependencies reveals paralog interactions of autosome and sex chromosome-encoded genes. *Cell reports*, 39(2), 110636.

Yu W, et al. (2022) Pulmonary neuroendocrine cells sense succinate to stimulate myoepithelial cell contraction. *Developmental cell*, 57(18), 2221.

Groves SM, et al. (2022) Archetype tasks link intratumoral heterogeneity to plasticity and cancer hallmarks in small cell lung cancer. *Cell systems*, 13(9), 690.

Yang H, et al. (2021) Pharmaco-transcriptomic correlation analysis reveals novel responsive signatures to HDAC inhibitors and identifies Dasatinib as a synergistic interactor in small-cell lung cancer. *EBioMedicine*, 69, 103457.

Mislang A, et al. (2020) A preliminary assessment of oral monepantel's tolerability and pharmacokinetics in individuals with treatment-refractory solid tumors. *Cancer chemotherapy and pharmacology*, 86(5), 589.

Jin L, et al. (2018) MAST1 Drives Cisplatin Resistance in Human Cancers by Rewiring cRaf-Independent MEK Activation. *Cancer cell*, 34(2), 315.