

Resource Summary Report

Generated by [RRID](#) on Sep 2, 2026

MKL-2

RRID:CVCL_D027

Type: Cell Line

Proper Citation

RRID:CVCL_D027

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_D027

Proper Citation: RRID:CVCL_D027

Description: Cell line MKL-2 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Merkel cell carcinoma

Defining Citation: [PMID:1717086](#), [PMID:12209990](#), [PMID:20444890](#), [PMID:23085629](#), [PMID:23563200](#), [PMID:27121059](#), [PMID:27402257](#), [PMID:29696010](#), [PMID:30873613](#), [PMID:31889939](#)

Comments: Virology: Contains 1.7 copies of the genome of MCPyV per haploid cell (PubMed=23085629)., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE).

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: MKL-2

Synonyms: Mkl-2, MKL2

Cross References: Cell_Model_Passport:SIDM01790, Cosmic:1693073, Cosmic:2273917, DepMap:ACH-001123, GDSC:1333015, Pharmacodb:MKL2_935_2019, PRIDE:PXD004198, PRIDE:PXD008181, Wikidata:Q54905817

ID: CVCL_D027

Record Creation Time: 20220427T220810+0000

Record Last Update: 20260829T234633+0000

Ratings and Alerts

No rating or validation information has been found for MKL-2.

No alerts have been found for MKL-2.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Fagerstedt KW, et al. (2026) Antiviral regulator TRIM25 as a prognostic marker of better survival in Merkel cell carcinoma: Association with MCPyV status. International journal of cancer, 158(12), 3268.

Drouin A, et al. (2025) Optimization of Adcitmer, a Monomethyl-Auristatin E bearing antibody-drug conjugate for the treatment of CD56-expressing cancers. Journal for immunotherapy of cancer, 13(3).

Yang W, et al. (2025) A Polyomavirus-Positive Merkel Cell Carcinoma Mouse Model Supports a Unified Origin for Somatic and Germ Cell Cancers. Cancers, 17(17).

Martins C, et al. (2024) Tumor cell-intrinsic PD-1 promotes Merkel cell carcinoma growth by activating downstream mTOR-mitochondrial ROS signaling. Science advances, 10(3), eadi2012.

Esnault C, et al. (2022) Adcitmer® , a new CD56-targeting monomethyl auristatin E-conjugated antibody, is a potential therapeutic approach in Merkel cell carcinoma. The British journal of dermatology, 186(2), 295.

Koubek EJ, et al. (2022) Therapeutic Potential of 5'-Methylschweinfurthin G in Merkel Cell Polyomavirus-Positive Merkel Cell Carcinoma. Viruses, 14(9).

Sauerer T, et al. (2021) Single-Molecule RNA Sequencing Reveals IFN γ -Induced Differential Expression of Immune Escape Genes in Merkel Cell Polyomavirus-Positive MCC Cell Lines. Frontiers in microbiology, 12, 785662.