

Resource Summary Report

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

MDCK-MDR1

RRID:CVCL_S586

Type: Cell Line

Proper Citation

RRID:CVCL_S586

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_S586

Proper Citation: RRID:CVCL_S586

Description: Cell line MDCK-MDR1 is a Spontaneously immortalized cell line with a species of origin Canis lupus familiaris (Dog)

Sex: Female

Defining Citation: [PMID:9426231](#), [PMID:12134945](#), [PMID:16749865](#), [PMID:21766308](#)

Comments: Caution: There is another MDCK-II cell line with transfected human ABCB1: MDCK2-ABCB1 (Cellosaurus=CVCL_A2JZ).

Category: Spontaneously immortalized cell line

Organism: Canis lupus familiaris (Dog)

Name: MDCK-MDR1

Synonyms: MDCK MDR1, MDCKII-MRP1, MDCKII-MDR1, MDCK2-MDR1, MDCKII x ABCB1-Neo

Cross References: BTO:BTO_0005423, ChEMBL-Cells:ChEMBL4295482, ChEMBL-Targets:ChEMBL4296467, PubChem_Cell_line:CVCL_S586, Wikidata:Q54904783

ID: CVCL_S586

Hierarchy: cvcl_0424

Record Creation Time: 20220427T220758+0000

Record Last Update: 20260829T234607+0000

Ratings and Alerts

No rating or validation information has been found for MDCK-MDR1.

No alerts have been found for MDCK-MDR1.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Cheng Z, et al. (2026) Discovery of a peripherally restricted μ 2AAR agonist as a safe and broad-spectrum oral analgesic. Cell reports. Medicine, 7(7), 102864.

Tangpeerachaikul A, et al. (2025) Zidesamtinib Selective Targeting of Diverse ROS1 Drug-Resistant Mutations. Molecular cancer therapeutics, 24(7), 1005.

Zandona A, et al. (2023) Biological response and cell death signaling pathways modulated by tetrahydroisoquinoline-based aldoximes in human cells. Toxicology, 494, 153588.

Vermeulen K, et al. (2021) Preclinical Evaluation of [11C]YC-72-AB85 for In Vivo Visualization of Heat Shock Protein 90 in Brain and Cancer with Positron Emission Tomography. ACS chemical neuroscience, 12(20), 3915.