

Resource Summary Report

Generated by [NIF](#) on Sep 8, 2026

Ca9-22

RRID:CVCL_1102

Type: Cell Line

Proper Citation

RRID:CVCL_1102

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_1102

Proper Citation: RRID:CVCL_1102

Description: Cell line Ca9-22 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Gingival squamous cell carcinoma

Defining Citation: [PMID:275414](#), [PMID:1570156](#), [PMID:2228902](#), [PMID:4549822](#), [PMID:9023415](#), [PMID:9178645](#), [PMID:9247707](#), [PMID:9290701](#), [PMID:10069537](#), [PMID:10741724](#), [PMID:12738951](#), [PMID:15800904](#), [PMID:17052259](#), [PMID:17325662](#), [PMID:17599052](#), [PMID:18097548](#), [PMID:18973137](#), [PMID:20164919](#), [PMID:20215515](#), [PMID:21868764](#), [PMID:27397505](#), [PMID:29156801](#), [PMID:30894373](#), [PMID:30971826](#), [PMID:35839778](#)

Comments: Population: Japanese., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Problematic cell line: Partially contaminated. Some stocks of Ca9-22 are contaminated with MSK-922 (PubMed=21868764)..

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: Ca9-22

Synonyms: CA9-22, Ca 9-22, CA922, Ca922

Cross References: BTO:BTO_0005204, CLO:CLO_0051380, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-3610, BioGRID_ORCS_Cell_line:840, BioSample:SAMN01821673, cancercellines:CVCL_1102,

Cell_Model_Passport:SIDM00489, CGH-DB:355-2, ChEMBL-Cells:ChEMBL3308714, ChEMBL-Targets:ChEMBL1075404, Cosmic:753538, Cosmic:930339, Cosmic:932155, Cosmic:1042302, Cosmic:1046026, Cosmic:1118791, Cosmic:1120700, Cosmic:1123036, Cosmic:1140783, Cosmic:1219867, Cosmic:1317411, Cosmic:2266786, Cosmic:2546832, Cosmic-CLP:753538, DepMap:ACH-002043, EGA:EGAS00001000978, FANTOM5_SSTAR:10434-106E2, GDSC:753538, GEO:GSM301576, GEO:GSM827235, GEO:GSM850380, GEO:GSM1669642, IARC_TP53:1095, JCRB:JCRB0625, LINCS_HMS:50007, LINCS_LDP:LCL-2033, PharmacDB:Ca922_160_2019, PRIDE:PXD030304, Progenetix:CVCL_1102, PubChem_Cell_line:CVCL_1102, RCB:RCB1976, TKG:TKG 0485, Wikidata:Q54808305

ID: CVCL_1102

Record Creation Time: 20220427T215436+0000

Record Last Update: 20260905T174507+0000

Ratings and Alerts

No rating or validation information has been found for Ca9-22.

Warning: Problematic cell line: Partially contaminated. Some stocks of Ca9-22 are contaminated with MSK-922 (PubMed=21868764).

Registration: International Cell Line Authentication Committee, Register of Misidentified Cell Lines; ICLAC-00437.

Population: Japanese., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Problematic cell line: Partially contaminated. Some stocks of Ca9-22 are contaminated with MSK-922 (PubMed=21868764)..

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 120 mentions in open access literature.

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

Zhou Y, et al. (2026) Distinct Regulation of the ARF and TAp73 Tumor Suppressor Genes by the Transcription Factor E2F1 Enables Discrimination of Cancer Cells from Normal Growing Cells. Cells, 15(1).

Sette-de-Souza PH, et al. (2025) Use of Contaminated/Misidentified Cell Lines: A Critical Concern for Oral Cancer Research. Oral diseases, 31(7), 2359.

Chen HH, et al. (2024) DDX3 regulates cancer immune surveillance via 3' UTR-mediated cell-surface expression of PD-L1. Cell reports, 43(3), 113937.

Lin ES, et al. (2023) The Inhibitory Effects and Cytotoxic Activities of the Stem Extract of *Nepenthes miranda* against Single-Stranded DNA-Binding Protein and Oral Carcinoma Cells. *Plants* (Basel, Switzerland), 12(11).

Zhang H, et al. (2023) Rhein Induces Oral Cancer Cell Apoptosis and ROS via Suppresses AKT/mTOR Signaling Pathway In Vitro and In Vivo. *International journal of molecular sciences*, 24(10).

Hatori T, et al. (2023) SPARC is a decoy counterpart for c-Fos and is associated with osteoblastic differentiation of bone marrow stromal cells by inhibiting adipogenesis. *Molecular medicine reports*, 27(2).

Takizawa F, et al. (2023) Ozone ultrafine bubble water exhibits bactericidal activity against pathogenic bacteria in the oral cavity and upper airway and disinfects contaminated healthcare equipment. *PloS one*, 18(4), e0284115.

Semlali A, et al. (2023) Synergistic Effects of New Curcumin Analog (PAC) and Cisplatin on Oral Cancer Therapy. *Current issues in molecular biology*, 45(6), 5018.

Semlali A, et al. (2023) Synergistic Effect of Anethole and Platinum Drug Cisplatin against Oral Cancer Cell Growth and Migration by Inhibiting MAPKase, Beta-Catenin, and NF- κ B Pathways. *Pharmaceuticals* (Basel, Switzerland), 16(5).

Hazawa M, et al. (2023) Super-enhancer trapping by the nuclear pore via intrinsically disordered regions of proteins in squamous cell carcinoma cells. *Cell chemical biology*.

O'Grady I, et al. (2023) Alcohol consumption modulates *Candida albicans*-induced oral carcinogenesis and progression. *Journal of oral biosciences*, 65(4), 293.

Mezawa M, et al. (2022) TNF- α regulates the composition of the basal lamina and cell-matrix adhesions in gingival epithelial cells. *Cell adhesion & migration*, 16(1), 13.

Fukuda M, et al. (2022) Resveratrol Inhibits Proliferation and Induces Autophagy by Blocking SREBP1 Expression in Oral Cancer Cells. *Molecules* (Basel, Switzerland), 27(23).

Ushio R, et al. (2022) Enhanced Cytotoxic Effects in Human Oral Squamous Cell Carcinoma Cells Treated with Combined Methyltransferase Inhibitors and Histone Deacetylase Inhibitors. *Biomedicines*, 10(4).

Nakamura N, et al. (2022) Possible Action of Olaparib for Preventing Invasion of Oral Squamous Cell Carcinoma In Vitro and In Vivo. *International journal of molecular sciences*, 23(5).

Aljubailah A, et al. (2022) Naproxen-Loaded Poly(2-hydroxyalkyl methacrylates): Preparation and Drug Release Dynamics. *Polymers*, 14(3).

Park DB, et al. (2022) Chrysophanol-Induced Autophagy Disrupts Apoptosis via the PI3K/Akt/mTOR Pathway in Oral Squamous Cell Carcinoma Cells. *Medicina* (Kaunas, Lithuania), 59(1).

Hiyoshi T, et al. (2022) Neutrophil elastase aggravates periodontitis by disrupting gingival epithelial barrier via cleaving cell adhesion molecules. *Scientific reports*, 12(1), 8159.

Yokogawa T, et al. (2022) Characterization of a *Treponema denticola* ATCC 35405 mutant strain with mutation accumulation, including a lack of phage-derived genes. *PloS one*, 17(6), e0270198.

Loubaki L, et al. (2022) Oxidative Stress and Autophagy Mediate Anti-Cancer Properties of Cannabis Derivatives in Human Oral Cancer Cells. *Cancers*, 14(19).