

Resource Summary Report

Generated by [NIF](#) on Sep 7, 2026

CAL-33

RRID:CVCL_1108

Type: Cell Line

Proper Citation

RRID:CVCL_1108

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_1108

Proper Citation: RRID:CVCL_1108

Description: Cell line CAL-33 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Tongue squamous cell carcinoma

Defining Citation: [PMID:2145926](#), [PMID:2440566](#), [PMID:3181269](#), [PMID:20164919](#), [PMID:20215515](#), [PMID:22460905](#), [PMID:24710094](#), [PMID:25275298](#), [PMID:26589293](#), [PMID:27397505](#), [PMID:30894373](#), [PMID:30971826](#), [PMID:31068700](#), [PMID:31978347](#), [PMID:34339474](#), [PMID:35839778](#), [PMID:36912284](#)

Comments: Population: Caucasian., Part of: OPC-22 oral and pharyngeal cancer cell line panel., 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: CAL-33

Synonyms: Cal-33, CAL 33, CAL33, CAL-SCC-33, Centre Antoine Lacassagne-33

Cross References: BTO:BTO_0000941, CLO:CLO_0002183, EFO:EFO_0022592, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, BioGRID_ORCS_Cell_line:841, BioSample:SAMN03473547, BioSample:SAMN10988048, cancercellines:CVCL_1108, Cell_Model_Passport:SIDM00942, ChEMBL-Cells:ChEMBL3308715, ChEMBL-Targets:ChEMBL1075409, CLS:305496, Cosmic:753541, Cosmic:2296293, Cosmic-CLP:753541, DepMap:ACH-000518,

DSMZ:ACC-447, DSMZCellDive:ACC-447, EGA:EGAS00001000978, GDSC:753541, GEO:GSM887974, GEO:GSM1669650, IARC_TP53:21210, LiGeA:CCLE_328, LINCS_LDP:LCL-1216, PharmacDB:CAL33_170_2019, PRIDE:PXD030304, Progenetix:CVCL_1108, PubChem_Cell_line:CVCL_1108, Wikidata:Q54808398

ID: CVCL_1108

Record Creation Time: 20220427T215439+0000

Record Last Update: 20260905T174513+0000

Ratings and Alerts

No rating or validation information has been found for CAL-33.

No alerts have been found for CAL-33.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 32 mentions in open access literature.

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

Wu H, et al. (2026) USP4-mediated deubiquitination of NOTCH1 inhibits HNSCC progression through regulating oxidative stress and ferroptosis. International immunopharmacology, 186, 117071.

Hoang TS, et al. (2026) Genome-wide CRISPR Screening Reveals a PKA-Driven Resistance Mechanism to Metformin for Oral Cancer Prevention That Can Be Exploited by Combination with NSAIDs. Cancer prevention research (Philadelphia, Pa.), 19(2), 79.

Kohl S, et al. (2026) CXCR2 affects sensitization of radioresistant HPV-negative head and neck squamous cell carcinoma cells by ABT-263. Radiation oncology (London, England), 21(1), 33.

Wegge M, et al. (2026) Hypoxia Induces a Mitotic Survival Advantage After Radiotherapy in Head and Neck Cancer Cells. International journal of cancer, 159(4), 1042.

Li X, et al. (2026) LFPM inhibition of RING1-mediated p53R175H degradation drives oncogenesis in p53R175H-mutant cancers. Cell death and differentiation.

Zhong Y, et al. (2026) Genetically targeted mTORC1 inhibitor reveals transcriptional control by nuclear mTORC1. Nature chemical biology.

Teisseire M, et al. (2025) De Novo Serine Synthesis Is a Metabolic Vulnerability That Can Be Exploited to Overcome Sunitinib Resistance in Advanced Renal Cell Carcinoma.

Cancer research, 85(10), 1857.

Grandits AM, et al. (2025) SKA1 promotes oncogenic properties in oral dysplasia and oral squamous cell carcinoma, and augments resistance to radiotherapy. *Molecular oncology*, 19(4), 1054.

Yassin AA, et al. (2025) Enhancing the Efficacy of CAR-T Cell Production Using BX795 and Rosuvastatin in a Serum-Free Medium. *International journal of molecular sciences*, 26(7).

Koshizuka K, et al. (2025) Genome-Wide CRISPR Screening Reveals That mTOR Inhibition Initiates Ferritinophagy and Ferroptosis in Head and Neck Cancer. *Cancer research*, 85(16), 3032.

Waas M, et al. (2024) Molecular correlates for HPV-negative head and neck cancer engraftment prognosticate patient outcomes. *Nature communications*, 15(1), 10869.

Graham K, et al. (2024) Discovery of YAP1/TAZ pathway inhibitors through phenotypic screening with potent anti-tumor activity via blockade of Rho-GTPase signaling. *Cell chemical biology*, 31(7), 1247.

Praharaj PP, et al. (2024) CLU (clusterin) and PPARGC1A/PGC1?? coordinately control mitophagy and mitochondrial biogenesis for oral cancer cell survival. *Autophagy*, 20(6), 1359.

Schniewind I, et al. (2024) Epigenetic Targeting to Overcome Radioresistance in Head and Neck Cancer. *Cancers*, 16(4).

Zwick A, et al. (2024) Engineering Dimeric EGFR-directed IgA Antibodies Reveals a Central Role of CD147 during Neutrophil-mediated Tumor Cell Killing of Head and Neck Squamous Cancer Cells. *Journal of immunology (Baltimore, Md. : 1950)*, 213(2), 148.

Praharaj PP, et al. (2023) Co-targeting autophagy and NRF2 signaling triggers mitochondrial superoxide to sensitize oral cancer stem cells for cisplatin-induced apoptosis. *Free radical biology & medicine*, 207, 72.

Nguyen HT, et al. (2023) Fanconi anemia-isogenic head and neck cancer cell line pairs: A basic and translational science resource. *International journal of cancer*, 153(1), 183.

Novoplansky O, et al. (2023) Activation of the EGFR/PI3K/AKT pathway limits the efficacy of trametinib treatment in head and neck cancer. *Molecular oncology*, 17(12), 2618.

Afifi MM, et al. (2023) Irreversible cell cycle exit associated with senescence is mediated by constitutive MYC degradation. *Cell reports*, 42(9), 113079.

Gutkind JS, et al. (2023) YAP-Driven Malignant Reprogramming of Epithelial Stem Cells at Single Cell Resolution. *Research square*.