

Resource Summary Report

Generated by [dkNET](#) on Sep 3, 2026

BeWo

RRID:CVCL_0044

Type: Cell Line

Proper Citation

CLS Cat# 300123, RRID:CVCL_0044

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0044

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

Sex: Male

Disease: Gestational choriocarcinoma

Defining Citation: [PMID:2720636](#), [PMID:2878840](#), [PMID:3518877](#), [PMID:4038916](#), [PMID:4299001](#), [PMID:5753554](#), [PMID:6174649](#), [PMID:6682628](#), [PMID:6988327](#), [PMID:7153601](#), [PMID:7819056](#), [PMID:7937597](#), [PMID:11897413](#), [PMID:16797695](#), [PMID:16957166](#), [PMID:20215515](#), [PMID:28161053](#), [PMID:32178868](#), [PMID:33096371](#), [PMID:33810901](#)

Comments: Karyotypic information: Near triploid karyotype (PubMed=33096371)., Characteristics: Cells were initially transplanted to the cheek pouch of a hamster and maintained by serial passage for 8 years prior to the establishment of the cell line., Population: Caucasian., Part of: Human Protein Atlas, Cell Atlas panel.

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: BeWo

Synonyms: BEWO, Be Wo, Be-Wo

Cross References: BTO:BTO_0000798, CLO:CLO_0001934, CLO:CLO_0001935, CLO:CLO_0050014, EFO:EFO_0002050, CLDB:cl415, CLDB:cl416, AddexBio:C0030001/4905, ArrayExpress:E-MTAB-38, ATCC:CCL-98, BCRC:60073, BCRJ:0048, BioSample:SAMN01821537, BioSample:SAMN01821617,

BioSample:SAMN03471293, cancercellines:CVCL_0044, CCRID:1101HUM-PUMC000156, CCRID:4201HUM-CCTCC00072, CCTCC:GDC0072, Cell_Model_Passport:SIDM00692, ChEMBL-Cells:ChEMBL3308359, ChEMBL-Targets:ChEMBL614525, CLS:300123, DSMZ:ACC-458, DSMZCellDive:ACC-458, ECACC:86082803, FANTOM5_SSTAR:10423-106C9, GEO:GSM48269, GEO:GSM48270, GEO:GSM48271, GEO:GSM48272, GEO:GSM48273, GEO:GSM7701452, GEO:GSM7701456, IARC_TP53:21200, IGRhCellID:BeWo, IPD-IMGT/HLA:10312, IZSLER:BS TCL 3, JCRB:JCRB9111, KCLB:10098, LINCS_LDP:LCL-1293, Lonza:1449, Progenetix:CVCL_0044, PubChem_Cell_line:CVCL_0044, RCB:RCB1644, RCB:RCB3678, TKG:TKG 0567, TOKU-E:661, Ubigen:YC-D018, Wikidata:Q54796111

ID: CVCL_0044

Vendor: CLS

Catalog Number: 300123

Record Creation Time: 20220624T070332+0000

Record Last Update: 20260830T000502+0000

Ratings and Alerts

No rating or validation information has been found for BeWo.

No alerts have been found for BeWo.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 30 mentions in open access literature.

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

Schroeder M, et al. (2026) Placental iron transport under maternal stress: a missing link in foetal programming and mental health. EBioMedicine, 125, 106170.

Yoshida K, et al. (2026) DHODH regulates trophoblast fusion via IFITM-reduced plasma membrane fluidity: Implications for hypertensive disorders of pregnancy. iScience, 29(6), 116163.

Muraro SP, et al. (2026) Type I interferon controls vertical transmission and fetoplacental infection of Oropouche virus. iScience, 29(2), 114647.

Shaha SZ, et al. (2026) aPKC-?? III promotes trophoblast fusion by altering Par-3 interactions with Hippo signaling kinase LATS1. Stem cell reports, 21(7), 102975.

Huang B, et al. (2026) Caspase-3/GSDME-Mediated Trophoblast Pyroptosis and Reciprocal Macrophage Polarization Contribute to Inflammation in Early-Onset Preeclampsia. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(18), e16948.

Zhou R, et al. (2025) Lipid Nanoparticle-Encapsulated mRNAs Encoding Tumor-Specific Toxin Proteins Selectively Target Cancer Cells and Stimulate T-cell Infiltration. *Cancer research*, 85(19), 3706.

Yu W, et al. (2025) The HAVCR1-centric host factor network drives Zika virus vertical transmission. *Cell reports*, 44(4), 115464.

Qerqez AN, et al. (2025) Selective decoupling of IgG1 binding to viral Fc receptors restores antibody-mediated NK cell activation against HCMV. *Cell reports*, 44(12), 116593.

Kuoni S, et al. (2025) Dulaglutide and pregnancy: a comprehensive safety assessment using the ex vivo placenta perfusion and in vitro models. *Frontiers in pharmacology*, 16, 1765815.

Boroughani M, et al. (2024) Nanocurcumin in cancer treatment: a comprehensive systematic review. *Discover oncology*, 15(1), 515.

Ning J, et al. (2024) Demethylase FTO-mediated m6A modification of SIK1 modulates placental cytotrophoblast syncytialization in type 2 diabetes mellitus. *iScience*, 27(6), 109900.

Sonnemann HM, et al. (2024) Placental co-transcriptional activator Vestigial-like 1 (VGLL1) drives tumorigenesis via increasing transcription of proliferation and invasion genes. *Frontiers in oncology*, 14, 1403052.

Gardner JJ, et al. (2024) Oxidative stress induces release of mitochondrial DNA into the extracellular space in human placental villous trophoblast BeWo cells. *American journal of physiology. Cell physiology*, 326(6), C1776.

Bailey S, et al. (2023) Targeting oncogenic microRNAs from the miR-371~373 and miR-302/367 clusters in malignant germ cell tumours causes growth inhibition through cell cycle disruption. *British journal of cancer*, 129(9), 1451.

Cai X, et al. (2023) Mst1-mediated phosphorylation of Nur77 improves the endometrial receptivity in human and mice. *EBioMedicine*, 88, 104433.

Deryabin PI, et al. (2022) Senescent endometrial stromal cells transmit reactive oxygen species to the trophoblast-like cells and impair spreading of blastocyst-like spheroids. *Molecular human reproduction*, 28(12).

Coste G, et al. (2022) Drug transporters are implicated in the diffusion of tacrolimus into the T lymphocyte in kidney and liver transplant recipients: Genetic, mRNA, protein expression, and functionality. *Drug metabolism and pharmacokinetics*, 47, 100473.

Kajiwarra K, et al. (2022) Ferroptosis induces membrane blebbing in placental trophoblasts. *Journal of cell science*, 135(5).

Deryabin PI, et al. (2022) Stromal cell senescence contributes to impaired endometrial decidualization and defective interaction with trophoblast cells. *Human reproduction* (Oxford, England), 37(7), 1505.

Gilmore JC, et al. (2022) Interaction between dolutegravir and folate transporters and receptor in human and rodent placenta. *EBioMedicine*, 75, 103771.