

Resource Summary Report

Generated by [RRID](#) on Aug 28, 2026

BeWo

RRID:CVCL_0044

Type: Cell Line

Proper Citation

KCLB Cat# 10098, RRID:CVCL_0044

Cell Line Information

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

Proper Citation: KCLB Cat# 10098, RRID:CVCL_0044

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: KCLB

Catalog Number: 10098

Record Creation Time: 20220427T215359+0000

Record Last Update: 20260816T002251+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 [RRID](#).

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.

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.

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.

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.