

Resource Summary Report

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

WA01

RRID:CVCL_9771

Type: Cell Line

Proper Citation

WiCell Cat# wa01-pcbc, RRID:CVCL_9771

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_9771

Proper Citation: WiCell Cat# wa01-pcbc, RRID:CVCL_9771

Description: Cell line WA01 is a Embryonic stem cell with a species of origin Homo sapiens (Human)

Sex: Male

Defining Citation: [PMID:9804556](#), [PMID:14745950](#), [PMID:16388305](#), [PMID:16919167](#), [PMID:17287758](#), [PMID:17570852](#), [PMID:17572666](#), [PMID:18713948](#), [PMID:20428235](#), [PMID:20641038](#), [PMID:20736931](#), [PMID:21295703](#), [PMID:21714037](#), [PMID:21983960](#), [PMID:22514597](#), [PMID:22802639](#), [PMID:23117585](#), [PMID:23325432](#), [PMID:24259714](#), [PMID:24374290](#), [PMID:27476965](#), [PMID:28445466](#), [PMID:29034888](#), [PMID:29034901](#), [PMID:30388422](#)

Comments: Anecdotal: WA01, WA07, WA09, WA13 and WA14 were the first human embryonic stem cells to be established., From: University of Wisconsin; Madison; USA., Part of: NHBLI Progenitor Cell Biology Consortium (PCBC) collection., Part of: ENCODE project common cell types; tier 1.

Category: Embryonic stem cell

Organism: Homo sapiens (Human)

Name: WA01

Synonyms: WA 01, WA-01, WA1, H1, H1-hESC, ESC H1, GE01, WAe001-A, WICELLE001-A, WA01-PCBC, PCBC02hse2011100705, SC11-014

Cross References: BTO:BTO_0006060, CLO:CLO_0037281, EFO:EFO_0003042, 4DN:4DNSRHNAF6M6, 4DN:4DNSRV3SKQ8M, BioSample:SAMN03471895, BioSamples:SAMEA7768168, CCRID:3101HUMSCSP301, CCRID:3101HUMSCSP306,

ENCODE:ENCBS001VRA, ENCODE:ENCBS011NFB, ENCODE:ENCBS019EUF,
ENCODE:ENCBS040WGM, ENCODE:ENCBS051SJH, ENCODE:ENCBS055BDT,
ENCODE:ENCBS055DBZ, ENCODE:ENCBS060CKC, ENCODE:ENCBS060MZO,
ENCODE:ENCBS081AUS, ENCODE:ENCBS083WOY, ENCODE:ENCBS086PQW,
ENCODE:ENCBS103ZIA, ENCODE:ENCBS111ENC, ENCODE:ENCBS131GSD,
ENCODE:ENCBS153GON, ENCODE:ENCBS182IPV, ENCODE:ENCBS215WGD,
ENCODE:ENCBS244HDB, ENCODE:ENCBS253TYD, ENCODE:ENCBS262EHC,
ENCODE:ENCBS270AGK, ENCODE:ENCBS282MUP, ENCODE:ENCBS284CPV,
ENCODE:ENCBS285QX, ENCODE:ENCBS299BNQ, ENCODE:ENCBS299NOL,
ENCODE:ENCBS307HNW, ENCODE:ENCBS309DZE, ENCODE:ENCBS345JIP,
ENCODE:ENCBS364BFI, ENCODE:ENCBS368BPP, ENCODE:ENCBS371MFZ,
ENCODE:ENCBS380OBH, ENCODE:ENCBS409PYK, ENCODE:ENCBS428NIG,
ENCODE:ENCBS440MTS, ENCODE:ENCBS479XUT, ENCODE:ENCBS484NGW,
ENCODE:ENCBS497CZZ, ENCODE:ENCBS513BIK, ENCODE:ENCBS534NMZ,
ENCODE:ENCBS540UTP, ENCODE:ENCBS559QNR, ENCODE:ENCBS568FYY,
ENCODE:ENCBS570AYT, ENCODE:ENCBS582QGL, ENCODE:ENCBS614LXI,
ENCODE:ENCBS626BQK, ENCODE:ENCBS649THQ, ENCODE:ENCBS661AAA,
ENCODE:ENCBS665AAA, ENCODE:ENCBS668AAA, ENCODE:ENCBS670AAA,
ENCODE:ENCBS704NOS, ENCODE:ENCBS706WYC, ENCODE:ENCBS708BLT,
ENCODE:ENCBS711AAA, ENCODE:ENCBS716AAA, ENCODE:ENCBS716FMR,
ENCODE:ENCBS717WTB, ENCODE:ENCBS718AAA, ENCODE:ENCBS720AAA,
ENCODE:ENCBS731AAA, ENCODE:ENCBS732AAA, ENCODE:ENCBS733AAA,
ENCODE:ENCBS734AAA, ENCODE:ENCBS739PSV, ENCODE:ENCBS740OND,
ENCODE:ENCBS780AAA, ENCODE:ENCBS780WAB, ENCODE:ENCBS797AAA,
ENCODE:ENCBS802AAA, ENCODE:ENCBS803AAA, ENCODE:ENCBS819TBN,
ENCODE:ENCBS820AAA, ENCODE:ENCBS847AAA, ENCODE:ENCBS849HZG,
ENCODE:ENCBS854AAA, ENCODE:ENCBS855AAA, ENCODE:ENCBS874KZJ,
ENCODE:ENCBS899KQD, ENCODE:ENCBS899NYB, ENCODE:ENCBS929BKG,
ENCODE:ENCBS945MCY, ENCODE:ENCBS951DDF, ENCODE:ENCBS952IPA,
ENCODE:ENCBS977TKX, ENCODE:ENCBS982HXP, ENCODE:ENCBS984IPH,
GEO:GSM288339, GEO:GSM347921, GEO:GSM383873, GEO:GSM383874,
GEO:GSM384095, GEO:GSM384096, GEO:GSM409307, GEO:GSM409308,
GEO:GSM409312, GEO:GSM410807, GEO:GSM410808, GEO:GSM428286,
GEO:GSM428289, GEO:GSM428291, GEO:GSM428295, GEO:GSM428296,
GEO:GSM429321, GEO:GSM429322, GEO:GSM429323, GEO:GSM432392,
GEO:GSM432685, GEO:GSM432686, GEO:GSM433167, GEO:GSM433170,
GEO:GSM433171, GEO:GSM433174, GEO:GSM433176, GEO:GSM433177,
GEO:GSM433179, GEO:GSM434762, GEO:GSM434776, GEO:GSM434785,
GEO:GSM438361, GEO:GSM438362, GEO:GSM450236, GEO:GSM450239,
GEO:GSM450266, GEO:GSM450268, GEO:GSM450270, GEO:GSM466732,
GEO:GSM466734, GEO:GSM466737, GEO:GSM466739, GEO:GSM469971,
GEO:GSM484408, GEO:GSM537679, GEO:GSM537680, GEO:GSM537681,
GEO:GSM537682, GEO:GSM537683, GEO:GSM537684, GEO:GSM537685,
GEO:GSM543005, GEO:GSM569199, GEO:GSM569200, GEO:GSM579898,
GEO:GSM579899, GEO:GSM602251, GEO:GSM602252, GEO:GSM602253,
GEO:GSM637775, GEO:GSM733657, GEO:GSM733670, GEO:GSM733672,
GEO:GSM733687, GEO:GSM733718, GEO:GSM733725, GEO:GSM733748,
GEO:GSM733773, GEO:GSM733782, GEO:GSM736582, GEO:GSM803345,
GEO:GSM803365, GEO:GSM803366, GEO:GSM803377, GEO:GSM803382,
GEO:GSM803396, GEO:GSM803405, GEO:GSM803419, GEO:GSM803424,

GEO:GSM803425, GEO:GSM803426, GEO:GSM803427, GEO:GSM803428, GEO:GSM803430, GEO:GSM803437, GEO:GSM803438, GEO:GSM803450, GEO:GSM803466, GEO:GSM803476, GEO:GSM803484, GEO:GSM803501, GEO:GSM803506, GEO:GSM803512, GEO:GSM803513, GEO:GSM803529, GEO:GSM803542, GEO:GSM816632, GEO:GSM822274, GEO:GSM822297, GEO:GSM822300, GEO:GSM856729, GEO:GSM862728, GEO:GSM935289, GEO:GSM935292, GEO:GSM935293, GEO:GSM935295, GEO:GSM935296, GEO:GSM935297, GEO:GSM935303, GEO:GSM935308, GEO:GSM935348, GEO:GSM935352, GEO:GSM935379, GEO:GSM935380, GEO:GSM935382, GEO:GSM935434, GEO:GSM935463, GEO:GSM935509, GEO:GSM935514, GEO:GSM935517, GEO:GSM935580, GEO:GSM935581, GEO:GSM935614, GEO:GSM1003444, GEO:GSM1003446, GEO:GSM1003451, GEO:GSM1003457, GEO:GSM1003472, GEO:GSM1003473, GEO:GSM1003479, GEO:GSM1003509, GEO:GSM1003513, GEO:GSM1003524, GEO:GSM1003547, GEO:GSM1003571, GEO:GSM1003572, GEO:GSM1003573, GEO:GSM1003579, GEO:GSM1003584, GEO:GSM1003585, GEO:GSM1003619, GEO:GSM1010742, GEO:GSM1010743, GEO:GSM1010776, GEO:GSM1010845, GEO:GSM1010896, GEO:GSM1010898, GEO:GSM1010899, GEO:GSM1040242, GEO:GSM1040312, GEO:GSM1084833, GEO:GSM1084941, GEO:GSM1084942, GEO:GSM1153529, GEO:GSM1489248, GEO:GSM1489459, GEO:GSM1582545, GEO:GSM1658376, hPSCreg:WAe001-A, IGRhCellID:H1%20p61, NIHhESC:NIHhESC-10-0043, PRIDE:PXD003903, SKIP:SKIP001933, WiCell:wa01, WiCell:wa01-cgmp-material, WiCell:wa01-matched-research-bank, WiCell:wa01-pcbc, Wikidata:Q54993510

ID: CVCL_9771

Vendor: WiCell

Catalog Number: wa01-pcbc

Record Creation Time: 20220427T221712+0000

Record Last Update: 20260905T182730+0000

Ratings and Alerts

No rating or validation information has been found for WA01.

No alerts have been found for WA01.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 237 mentions in open access literature.

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

Jones RD, et al. (2026) Tunable differentiation of human CD4+ and CD8+ T cells from pluripotent stem cells. *Cell stem cell*, 33(1), 73.

Uenaka T, et al. (2026) Prevention of transgene silencing during human pluripotent stem cell differentiation. *Cell stem cell*, 33(3), 517.

O'Hern C, et al. (2026) Protocol to generate immunocompetent human heart-macrophage assembloids for the study of immune-cardiac interactions. *STAR protocols*, 7(1), 104411.

Briggs JA, et al. (2026) Pooled combinatorial screening identifies transcription factor sets that drive hematopoietic progenitor-like cell fate. *Cell systems*, 101644.

Xu W, et al. (2026) Single-nucleus chromatin accessibility and gene expression co-profiling by ISSAAC-seq. *Nature protocols*.

Thai BQ, et al. (2026) WNT signaling in human pluripotent stem cells promotes HDAC2-dependent epigenetic programs and development of retinoic acid-responsive mesoderm. *Stem cell reports*, 21(7), 102964.

Liu Y, et al. (2026) Human PSC-derived organoids model sympathetic ganglion development and its functional crosstalk with the heart. *Cell stem cell*, 33(1), 29.

Freitas BFA, et al. (2026) Regenerative macrophages enhance stem cell-derived ?? cell function and engraftment. *Science advances*, 12(24), eaed4221.

Kechele DO, et al. (2026) Single-cell transcriptomic comparison of the developing human fetal stomach and pluripotent stem cell-derived gastric organoids. *Development (Cambridge, England)*, 153(4).

Yao Y, et al. (2026) Investigating Alzheimer's Disease-Associated Genes Using Differential Splicing Frequency Analysis. *Cells*, 15(12).

Hu LF, et al. (2026) Longitudinal monitoring of cytoplasmic RBP-RNA interactions and transcriptome in living cells by engineered protein nanocages. *Molecular cell*, 86(14), 2871.

Tian Y, et al. (2026) Unraveling the Morphological and Functional Maturation Mechanisms Underlying Human Neural Development Using iPSCs-Derived Neuronal Model. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(18), e12891.

Morshed N, et al. (2026) iAstrocytes model cytokine influences on complement expression and neuronal network synchronization. *bioRxiv : the preprint server for biology*.

Hu M, et al. (2025) How FAIR is metadata for human pluripotent stem cells? *Stem cell reports*, 102644.

Choo YY, et al. (2025) Comparison of human cerebral organoids infected with wild-type Zika versus attenuated DN-2 virus strains uncovers differences in host immune responses. *Cell communication and signaling : CCS*, 24(1), 36.

Breves SL, et al. (2025) Three-dimensional regulatory hubs support oncogenic programs in glioblastoma. *Molecular cell*, 85(7), 1330.

Tan WS, et al. (2025) Retina-specific laminin-based generation of photoreceptor progenitors from human pluripotent stem cells under xeno-free and chemically defined conditions. *Nature protocols*, 20(9), 2481.

Anding A, et al. (2025) Activity of human-specific Interlaminar Astrocytes in a Chimeric Mouse Model of Fragile X Syndrome. *bioRxiv : the preprint server for biology*.

Goldman C, et al. (2025) Genetically encoded and modular subcellular organelle probes reveal dysfunction in lysosomes and mitochondria driven by PRKN knockout. *iScience*, 28(7), 112816.

Yu D, et al. (2025) Microglia regulate GABAergic neurogenesis in prenatal human brain through IGF1. *Nature*, 646(8085), 676.