

Resource Summary Report

Generated by [dkNET](#) on Sep 4, 2026

bEnd.3

RRID:CVCL_0170

Type: Cell Line

Proper Citation

CLS Cat# 305265, RRID:CVCL_0170

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0170

Proper Citation: CLS Cat# 305265, RRID:CVCL_0170

Description: Cell line bEnd.3 is a Transformed cell line with a species of origin Mus musculus (Mouse)

Sex: Sex unspecified

Defining Citation: [PMID:2379237](#), [PMID:14568334](#), [PMID:22224974](#), [PMID:25282873](#)

Comments: Characteristics: Widely used for blood vascular research.

Category: Transformed cell line

Organism: Mus musculus (Mouse)

Name: bEnd.3

Synonyms: bEND.3, b.End3, Bend.3, bEnd3, BEND-3, BEND3, brain-derived Endothelial cells.3

Cross References: BTO:BTO_0003353, CLO:CLO_0001777, CLO:CLO_0001928, MCCL:MCC:0000496, CLDB:cl5049, AddexBio:C0005030/5019, ATCC:CRL-2299, BCRC:60515, CCRID:3101MOUSCSP5267, CCRID:3101MOUTCM40, CCRID:6101MOU-CERC000126, CLS:305265, ECACC:96091929, JCRB:NIHS0319, Wikidata:Q52183429

ID: CVCL_0170

Vendor: CLS

Catalog Number: 305265

Record Creation Time: 20260408T072617+0000

Record Last Update: 20260904T021844+0000

Ratings and Alerts

No rating or validation information has been found for bEnd.3.

Warning: Discontinued: JCRB; NIHS0319

Characteristics: Widely used for blood vascular research.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 86 mentions in open access literature.

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

Fu J, et al. (2026) mRNA lipid-nanoparticle-mediated mitochondrial apoptosis augments adoptive T cell immunotherapy. Cell reports. Medicine, 7(4), 102706.

Ma Y, et al. (2026) Photobiomodulation repairs the blood-spinal cord barrier in a mouse model of spinal cord injury. Neural regeneration research, 21(6), 2475.

Han Y, et al. (2026) Angiotensin-(1-7) suppresses pyroptosis in cerebral endothelium to decrease blood-brain barrier permeability and cognitive impairments in sepsis. The Journal of international medical research, 54(4), 3000605261437974.

Shi H, et al. (2026) Microglia-Targeted Biomimetic Tetrahedral Framework Nucleic Acid Nanovesicles for Synergistic Treatment of Sepsis-Associated Encephalopathy. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(40), e23716.

Chen Q, et al. (2026) Diselenide-bridged dual-action nanoscavengers drive fasting-boosted BBB penetration and ROS-responsive resveratrol delivery for synergistic ischemic stroke therapy. Journal of nanobiotechnology, 24(1).

Liu L, et al. (2026) Engineered Small Extracellular Vesicles Targeting Tumor-Associated Endothelial Cells to Effectively Remodel the Glioma Microenvironment. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(18), e18490.

Zhu Z, et al. (2026) A neurovascular survival axis for adult sympathetic neurons. Neuron.

Wen Y, et al. (2026) KDM6A promotes diabetic retinopathy via H3K27me3-dependent ferroptosis in Müller cells. Cell death & disease, 17(1).

Parrilla M, et al. (2026) Vascular signals coordinate cerebellar circuitry development. Cell reports, 45(8), 117732.

Cai J, et al. (2026) RhoA deletion in macrophages/microglia aggravates blood-brain barrier disruption after ischemic stroke reperfusion injury by promoting endothelial cell apoptosis and pyroptosis. *Neurobiology of disease*, 220, 107279.

Shin N, et al. (2026) Neutrophil-Like Mitochondria Enable Blood-Brain Barrier Transmigration and Neuroprotection. *ACS nano*, 20(21), 15116.

Song Y, et al. (2026) Endothelial GPR68 Is Essential for Arteriogenesis and Represents a Therapeutic Target in a Model of Peripheral Artery Disease. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(31), e20244.

Zou Y, et al. (2026) Blood-brain barrier-penetrative lipid nanoparticles enable systemic delivery of TRIM11 mRNA to disaggregate Tau in Alzheimer's disease models. *Cell reports. Medicine*, 7(3), 102685.

Porschen LT, et al. (2026) Circulating sphingosine-1-phosphate depletion is associated with endothelial activation and altered brain-endothelial S1P pathway expression in ischemic stroke. *Fluids and barriers of the CNS*, 23(1).

Li Z, et al. (2026) Decoding the spatiotemporal development of the blood-brain barrier in human cortex. *Cell stem cell*, 33(5), 853.

Chen Z, et al. (2026) Targeted H₂S Delivery System Attenuates Blood-Spinal Cord Barrier Disruption after Spinal Cord Injury by Reshaping the Ferritinophagy Pathway. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(28), e18901.

Liang SN, et al. (2026) Plasma exosomal miR-181a-5p is linked to osteoporosis by mediating endothelial-osteoblast crosstalk and regulating bone remodeling. *Biochemical and biophysical research communications*, 814, 153661.

Song W, et al. (2026) Activation of ACE2 by Hazelnut-Derived Peptide YYLLVR: A Novel Strategy against Hypertension-Induced Cognitive Impairment. *Journal of agricultural and food chemistry*, 74(29), 22889.

Miao S, et al. (2025) Endothelial mechanosensitive transcription factor BHLHE40 induced by Piezo1 suppresses endothelial ferroptosis and inflammation via SLC7A11. *Cell death discovery*, 12(1), 47.

Zhang Y, et al. (2025) Gamma-glutamyl transferase 5 overexpression in cerebrovascular endothelial cells improves brain pathology, cognition, and behavior in APP/PS1 mice. *Neural regeneration research*, 20(2), 533.