

Resource Summary Report

Generated by [NIF](#) on Sep 11, 2026

BV-2

RRID:CVCL_0182

Type: Cell Line

Proper Citation

Ubigen Cat# YC-C035, RRID:CVCL_0182

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0182

Proper Citation: Ubigen Cat# YC-C035, RRID:CVCL_0182

Description: Cell line BV-2 is a Transformed cell line with a species of origin Mus musculus (Mouse)

Sex: Female

Defining Citation: [PMID:2110186](#), [PMID:19565166](#), [PMID:21214938](#), [PMID:21961028](#), [PMID:22651808](#), [PMID:26227174](#)

Category: Transformed cell line

Organism: Mus musculus (Mouse)

Name: BV-2

Synonyms: BV2

Cross References: BTO:BTO_0003350, EFO:EFO_0022792, MCCL:MCC:0000073, CLDB:cl7130, BCRJ:0356, BioGRID_ORCS_Cell_line:765, CCRID:1101MOU-PUMC000063, CCRID:4201MOU-CCTCC00311, CCTCC:GDC0311, ChEMBL-Cells:ChEMBL3307704, ChEMBL-Targets:ChEMBL614781, CLS:305156, GEO:GSM635468, GEO:GSM635469, GEO:GSM635470, GEO:GSM635471, ICLC:ATL03001, KCB:KCB_200770YJ, Lonza:118, PRIDE:PXD001597, PRIDE:PXD004984, PubChem_Cell_line:CVCL_0182, Ubigen:YC-C035, Wikidata:Q54798657

ID: CVCL_0182

Vendor: Ubigen

Catalog Number: YC-C035

Record Creation Time: 20250130T070635+0000

Record Last Update: 20260905T183956+0000

Ratings and Alerts

No rating or validation information has been found for BV-2.

No alerts have been found for BV-2.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 1029 mentions in open access literature.

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

Zhou H, et al. (2026) Cathepsin B overexpression and lysosomal leakage in inflammatory microglia promote neuroinflammation in olfactory dysfunction by triggering mitochondrial dysfunction and pyroptosis. *Brain, behavior, and immunity*, 132, 106188.

Li T, et al. (2026) Pre-treatment with baicalein alleviates the diquat-induced microglial pyroptosis through gut microbiota-derived indole-3-propionic acid and DDX3X/G3BP1 pathway. *Cell biology and toxicology*, 42(1).

Zhang Y, et al. (2026) Bone Marrow Mesenchymal Stem Cell-Derived Exosomal Let-7b-5p Reduces High Glucose-Induced Microglial Activation and Inflammation Through TLR4/ATF4. *Mediators of inflammation*, 2026, 7251718.

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).

Hu S, et al. (2026) TREM2 activation suppresses central sensitisation by promoting autophagy in a chronic migraine model with recurrent nitroglycerin stimulation in mice. *British journal of pharmacology*, 183(11), 2803.

Li JY, et al. (2026) Lindenane Sesquiterpenoid Hetero- or Homo-Dimers From *Sarcandra glabra* and Their Anti-Neuroinflammatory Activities. *Chemistry & biodiversity*, 23(1), e03062.

Su CY, et al. (2026) Physical activity-associated extracellular vesicles inhibit inflammagen-induced microglial activation. *Brain, behavior, & immunity - health*, 53, 101200.

Yin Q, et al. (2026) The complement C3-microglial axis in depression of Parkinson's disease: from mechanism to therapeutic intervention. *EBioMedicine*, 129, 106325.

Salaudeen MA, et al. (2026) Priming with interleukin-1?? and chemical hypoxia modulates the mesenchymal stem cell secretome to dampen microglial inflammation and promote neuroprotection. *British journal of pharmacology*, 183(17), 5355.

Liao W, et al. (2026) Unveiling the Molecular Mechanism of Intestinal Metabolite para-Cresol in Modulating Neuroinflammation and Synaptic Dysfunction: Implications for Autism Spectrum Disorder. *Journal of neurochemistry*, 170(5), e70457.

Wei J, et al. (2026) Tangeretin ameliorates sepsis-induced neurocognitive impairment in adult male mice by suppressing Akt-driven glycolytic reprogramming and neuroinflammation. *British journal of pharmacology*.

Chen X, et al. (2026) Fat mass and obesity-mediated N⁶-methyladenosine modification modulates neuroinflammatory responses after traumatic brain injury. *Neural regeneration research*, 21(2), 730.

Li Y, et al. (2026) Gut microbiota-dependent 24-hydroxycholesterol metabolism contributes to capsaicin-induced amelioration of Alzheimer's disease-like pathology in mice. *Nature communications*, 17(1).

Xu W, et al. (2026) Ptpb2 Alleviates Neuroinflammation and Blood-brain Barrier Disruption via Modulating Microglial Polarization in Ischemic Stroke. *Molecular neurobiology*, 63(1), 408.

Wang Y, et al. (2026) Tithdiverolides A-C, New Terpene Lactones from *Tithonia diversifolia*. *Chemistry & biodiversity*, 23(3), e71090.

Chen JM, et al. (2026) Microbiota-derived IPA mitigates post-stroke neuroinflammation by inhibiting TREM2-dependent pyroptosis. *Journal of neuroinflammation*, 23(1), 47.

Fu Y, et al. (2026) A 3-N nose-to-brain urolithin a nanomotor targeting microglial mitophagy in neuroinflammation. *Biomaterials*, 333, 124162.

Fang Y, et al. (2026) Spinal cord injury-derived exosomes exacerbate damage: miR-155-5p mediates inflammatory responses. *Neural regeneration research*, 21(6), 2514.

Mera-Reina C, et al. (2026) Therapeutic Targeting of Microglial Hexokinase-2 Recalibrates Inflammasome Activation and Improves Functional Recovery After Traumatic Brain Injury. *bioRxiv : the preprint server for biology*.

Zhao B, et al. (2026) Aspirin alleviates long-term high-fat diet-induced depressive-like behavior in male mice via suppressing arachidonic acid-mediated microglial activation and neuroinflammation. *Molecular psychiatry*.