Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 11, 2025

BV-2

RRID:CVCL_0182
Type: Cell Line

Proper Citation

(ICLC Cat# ATL03001, RRID:CVCL_0182)

Cell Line Information

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

Proper Citation: (ICLC Cat# ATL03001, RRID:CVCL_0182)

Sex: Female

Defining Citation: PMID:2110186, PMID:19565166, PMID:21214938, PMID:21961028, PMID:22651808, PMID:26227174

Comments: Omics: Transcriptome analysis by RNAseq., Omics: Transcriptome analysis by microarray., Omics: Secretome proteome analysis.

Category: Transformed cell line

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, Ubigene:YC-C035, Wikidata:Q54798657

ID: CVCL_0182

Vendor: ICLC

Catalog Number: ATL03001

Record Creation Time: 20220427T215416+0000

Record Last Update: 20250131T100221+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 934 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Gao S, et al. (2025) Transcriptome analysis unveils PLSCR1 associated with microglial polarization in neuropathic pain. Gene, 933, 148961.

Luo W, et al. (2025) Perfluoropentane-based oxygen-loaded nanodroplets reduce microglial activation through metabolic reprogramming. Neural regeneration research, 20(4), 1178.

Ding X, et al. (2025) Inhibiting SHP2 reduces glycolysis, promotes microglial M1 polarization, and alleviates secondary inflammation following spinal cord injury in a mouse model. Neural regeneration research, 20(3), 858.

Huang LY, et al. (2025) Maintaining moderate levels of hypochlorous acid promotes neural stem cell proliferation and differentiation in the recovery phase of stroke. Neural regeneration research, 20(3), 845.

Liu T, et al. (2024) Conditioned medium from human dental pulp stem cells treats spinal cord injury by inhibiting microglial pyroptosis. Neural regeneration research, 19(5), 1105.

Sherman M, et al. (2024) The reversible activation of norovirus by metal ions. Journal of virology, 98(2), e0173523.

De Paula GC, et al. (2024) Extracellular vesicles released from microglia after palmitate exposure impact brain function. Journal of neuroinflammation, 21(1), 173.

Bodart-Santos V, et al. (2024) Selenoprotein P is a target for regulating extracellular vesicle

biogenesis and secretion from activated microglia in vivo. Cell reports, 43(12), 115025.

Roy A, et al. (2024) Impact of Interleukin-6 Activation and Arthritis on Epidermal Growth Factor Receptor (EGFR) Activation in Sensory Neurons and the Spinal Cord. International journal of molecular sciences, 25(13).

Xiao YX, et al. (2024) The TSC22D, WNK, and NRBP gene families exhibit functional buffering and evolved with Metazoa for cell volume regulation. Cell reports, 43(7), 114417.

Zha X, et al. (2024) Microbiota-derived lysophosphatidylcholine alleviates Alzheimer's disease pathology via suppressing ferroptosis. Cell metabolism.

Vázquez-Cabrera G, et al. (2024) ID2-ETS2 axis regulates the transcriptional acquisition of pro-tumoral microglia phenotype in glioma. Cell death & disease, 15(7), 512.

Fujisawa H, et al. (2024) Prolonged extracellular low sodium concentrations and subsequent their rapid correction modulate nitric oxide production dependent on NFAT5 in microglia. Free radical biology & medicine, 223, 458.

Saleem M, et al. (2024) Exosome-based therapies for inflammatory disorders: a review of recent advances. Stem cell research & therapy, 15(1), 477.

Tassinari ID, et al. (2024) Lactate Protects Microglia and Neurons from Oxygen-Glucose Deprivation/Reoxygenation. Neurochemical research, 49(7), 1762.

Liu Y, et al. (2024) Nogo-A exacerbates sepsis-associated encephalopathy by modulating microglial SHP-2/NLRP3 balance and inducing ROS and M1 polarization. Biomolecules & biomedicine, 25(1), 210.

Shen T, et al. (2024) TREM-1 mediates interaction between substantia nigra microglia and peripheral neutrophils. Neural regeneration research, 19(6), 1375.

Huang CC, et al. (2024) Insulin Mediates Lipopolysaccharide-Induced Inflammatory Responses and Oxidative Stress in BV2 Microglia. Journal of inflammation research, 17, 7993.

Zhao J, et al. (2024) Diosmin ameliorates LPS-induced depression-like behaviors in mice: Inhibition of inflammation and oxidative stress in the prefrontal cortex. Brain research bulletin, 206, 110843.

Li F, et al. (2024) Lupenone improves motor dysfunction in spinal cord injury mice through inhibiting the inflammasome activation and pyroptosis in microglia via the nuclear factor kappa B pathway. Neural regeneration research, 19(8), 1802.