# **Resource Summary Report**

Generated by FDI Lab - SciCrunch.org on May 2, 2024

## **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)

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

**Comments:** Breed/subspecies: C57BL/6., Derived from sampling site: Brain. Cell type=Microglial cell., Omics: Transcriptome analysis by RNAseq., Omics: Transcriptome analysis by microarray., Omics: Secretome proteome analysis., Transformant: Recombinant retrovirus J2.

Category: Transformed cell line

Organism: Mus musculus (Mouse)

Name: BV-2

Synonyms: BV2

Cross References: BTO:BTO:0003350, MCCL:MCC:0000073, CLDB:cl7130, BCRJ:0356, 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, Wikidata:Q54798657

**ID:** CVCL\_0182

Vendor: ICLC

Catalog Number: ATL03001

## **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 914 mentions in open access literature.

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

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.

Li Z, et al. (2024) Ferroptosis mediated by TNFSF9 interferes in acute ischaemic stroke reperfusion injury with the progression of acute ischaemic stroke. Journal of neurochemistry.

Kaiser S, et al. (2024) Neuroprotection via Carbon Monoxide Depends on the Circadian Regulation of CD36-Mediated Microglial Erythrophagocytosis in Hemorrhagic Stroke. International journal of molecular sciences, 25(3).

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.

Boo KJ, et al. (2023) Hycanthone Inhibits Inflammasome Activation and Neuroinflammation-Induced Depression-Like Behaviors in Mice. Biomolecules & therapeutics, 31(2), 161.

Li HR, et al. (2023) ?-Nicotinamide mononucleotide activates NAD+/SIRT1 pathway and attenuates inflammatory and oxidative responses in the hippocampus regions of septic mice. Redox biology, 63, 102745.

Marrazzo P, et al. (2023) By-Product Extracts from Castanea sativa Counteract Hallmarks of Neuroinflammation in a Microglial Model. Antioxidants (Basel, Switzerland), 12(4).

Fang X, et al. (2023) In situ continuous Dopa supply by responsive artificial enzyme for the treatment of Parkinson's disease. Nature communications, 14(1), 2661.

Choconta JL, et al. (2023) Age-related neuroimmune signatures in dorsal root ganglia of a Fabry disease mouse model. Immunity & ageing: I & A, 20(1), 22.

Fontes-Dantas FL, et al. (2023) SARS-CoV-2 Spike protein induces TLR4-mediated long-term cognitive dysfunction recapitulating post-COVID-19 syndrome in mice. Cell reports, 42(3), 112189.

Roseborough AD, et al. (2023) Plasma derived extracellular vesicle biomarkers of microglia activation in an experimental stroke model. Journal of neuroinflammation, 20(1), 20.

Li Y, et al. (2023) Oleoylethanolamide Protects against Acute Ischemic Stroke by Promoting PPAR?-Mediated Microglia/Macrophage M2 Polarization. Pharmaceuticals (Basel, Switzerland), 16(4).

Liu Z, et al. (2023) NOD-like receptor NLRC5 promotes neuroinflammation and inhibits neuronal survival in Parkinson's disease models. Journal of neuroinflammation, 20(1), 96.

Matacchione G, et al. (2023) Zingiber officinale Roscoe Rhizome Extract Exerts Senomorphic and Anti-Inflammatory Activities on Human Endothelial Cells. Biology, 12(3).

Zhang Y, et al. (2023) Chemical Constituents of the Mushroom Dictyophora indusiata and Their Anti-Inflammatory Activities. Molecules (Basel, Switzerland), 28(6).

Chen H, et al. (2023) Design, synthesis and evaluation of quinoline-O-carbamate derivatives as multifunctional agents for the treatment of Alzheimer's disease. Journal of enzyme inhibition and medicinal chemistry, 38(1), 2169682.

Xie X, et al. (2023) Bone marrow mesenchymal stem cell-derived exosomal lncRNA KLF3-AS1 stabilizes Sirt1 protein to improve cerebral ischemia/reperfusion injury via miR-206/USP22 axis. Molecular medicine (Cambridge, Mass.), 29(1), 3.

Jacques MT, et al. (2023) LPS-Activated Microglial Cell-Derived Conditioned Medium Protects HT22 Neuronal Cells against Glutamate-Induced Ferroptosis. International journal of molecular sciences, 24(3).

Ogunrinade FA, et al. (2023) Neuroprotection by Skimmianine in Lipopolysaccharide-Activated BV-2 Microglia. Molecules (Basel, Switzerland), 28(3).