

Resource Summary Report

Generated by [dkNET](#) on Sep 3, 2026

MH-S

RRID:CVCL_3855

Type: Cell Line

Proper Citation

ATCC Cat# CRL-2019, RRID:CVCL_3855

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_3855

Proper Citation: ATCC Cat# CRL-2019, RRID:CVCL_3855

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

Sex: Male

Defining Citation: [PMID:2787372](#)

Category: Transformed cell line

Organism: Mus musculus (Mouse)

Name: MH-S

Cross References: CLO:CLO_0007721, CLDB:cl3473, CLDB:cl5231, ATCC:CRL-2019, BCRC:60419, CLS:300487, ECACC:95090612, IZSLER:BS CL 141, Wikidata:Q54905511

ID: CVCL_3855

Vendor: ATCC

Catalog Number: CRL-2019

Record Creation Time: 20220427T220806+0000

Record Last Update: 20260829T234624+0000

Ratings and Alerts

No rating or validation information has been found for MH-S.

No alerts have been found for MH-S.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 21 mentions in open access literature.

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

Meng B, et al. (2026) Butyrate protects against *Klebsiella pneumoniae*-induced oxidative stress in alveolar macrophages via p62-Keap1-Nrf2 pathway. *Redox biology*, 93, 104156.

Deng M, et al. (2026) Nanoliposomal *Eucommia ulmoides* extract limits PANoptosis in sepsis-induced acute lung injury through a TGF- β 1-JNK pathway. *British journal of pharmacology*, 183(15), 4381.

Yue H, et al. (2026) Atmospheric particulate matter impairs pulmonary barriers by triggering FTH1-mediated ferroptosis. *iScience*, 29(4), 115177.

Miles MA, et al. (2026) TLR7-mediated inflammation drives PD-L1 upregulation and T cell exhaustion during influenza A virus infection. *iScience*, 29(2), 114776.

Zhang Y, et al. (2026) Macrophage-Targeted Nanocarriers Based on Tetrahedral DNA Nanostructure Alleviate Sepsis-Induced Acute Lung Injury by Triple-Pathway Suppression of Pyroptosis. *ACS applied materials & interfaces*, 18(14), 20128.

Liu Q, et al. (2025) Alveolar macrophages initiate the spatially targeted recruitment of neutrophils after nanoparticle inhalation. *Science advances*, 11(45), eadx8586.

Zhao Q, et al. (2025) *Lactiplantibacillus plantarum* -derived extracellular vesicles alleviate acute lung injury by inhibiting ferroptosis of macrophages. *Journal of nanobiotechnology*, 23(1), 307.

Huang Q, et al. (2025) Extracellular vesicular delivery of ceramides from pulmonary macrophages to endothelial cells facilitates chronic obstructive pulmonary disease. *Cell communication and signaling : CCS*, 23(1), 124.

Sharma A, et al. (2025) Activation of the endoplasmic reticulum stress regulator IRE1 γ compromises pulmonary host defenses. *Cell reports*, 44(5), 115632.

Jiang Y, et al. (2025) Phosphatase PHLPP1 is an alveolar-macrophage-intrinsic transcriptional checkpoint controlling pulmonary fibrosis. *Cell reports*, 44(3), 115399.

Burak MF, et al. (2024) An Adipo-Pulmonary Axis Mediated by FABP4 Hormone Defines a Therapeutic Target Against Obesity-Induced Airway Disease. *bioRxiv : the preprint server for biology*.

Bai S, et al. (2024) Extracellular vesicles from alveolar macrophages harboring phagocytosed methicillin-resistant *Staphylococcus aureus* induce necroptosis. *Cell reports*, 43(7), 114453.

Seo D, et al. (2024) Poxvirus A51R proteins regulate microtubule stability and antagonize a cell-intrinsic antiviral response. *Cell reports*, 43(3), 113882.

Zhao R, et al. (2024) cGAS-activated endothelial cell-T cell cross-talk initiates tertiary lymphoid structure formation. *Science immunology*, 9(98), eadk2612.

Bai S, et al. (2024) Protocol for isolating extracellular vesicles from alveolar macrophages phagocytosing MRSA in vitro cell culture models. *STAR protocols*, 6(1), 103526.

Liao W, et al. (2023) Calcaratarin D, a labdane diterpenoid, attenuates mouse asthma via modulating alveolar macrophage function. *British journal of pharmacology*, 180(8), 1056.

Ye C, et al. (2021) Inappropriate use of antibiotics exacerbates inflammation through OMV-induced pyroptosis in MDR *Klebsiella pneumoniae* infection. *Cell reports*, 36(12), 109750.

Schneider DJ, et al. (2020) Alveolar macrophage-derived extracellular vesicles inhibit endosomal fusion of influenza virus. *The EMBO journal*, 39(16), e105057.

Schmidt F, et al. (2020) Flotillin-Dependent Membrane Microdomains Are Required for Functional Phagolysosomes against Fungal Infections. *Cell reports*, 32(7), 108017.

Gonzalez-Juarbe N, et al. (2020) Influenza-Induced Oxidative Stress Sensitizes Lung Cells to Bacterial-Toxin-Mediated Necroptosis. *Cell reports*, 32(8), 108062.