

# Resource Summary Report

Generated by [RRID](#) on Sep 2, 2026

## MH-S

RRID:CVCL\_3855

Type: Cell Line

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### Proper Citation

CLS Cat# 300487, RRID:CVCL\_3855

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### Cell Line Information

**URL:** [https://web.expasy.org/cellosaurus/CVCL\\_3855](https://web.expasy.org/cellosaurus/CVCL_3855)

**Proper Citation:** CLS Cat# 300487, 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:** CLS

**Catalog Number:** 300487

**Record Creation Time:** 20250130T072127+0000

**Record Last Update:** 20260830T001647+0000

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### Ratings and Alerts

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

No alerts have been found for MH-S.

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## Data and Source Information

**Source:** [Cellosaurus](#)

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## Usage and Citation Metrics

We found 21 mentions in open access literature.

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

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- $\beta$ 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 $\gamma$  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.