

Resource Summary Report

Generated by [dkNET](#) on Sep 4, 2026

MLE-12

RRID:CVCL_3751

Type: Cell Line

Proper Citation

ATCC Cat# CRL-2110, RRID:CVCL_3751

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_3751

Proper Citation: ATCC Cat# CRL-2110, RRID:CVCL_3751

Description: Cell line MLE-12 is a Transformed cell line with a species of origin Mus musculus (Mouse)

Sex: Female

Defining Citation: [PMID:8248207](#)

Category: Transformed cell line

Organism: Mus musculus (Mouse)

Name: MLE-12

Synonyms: MLE 12, MLE12, Murine Lung Epithelial-12

Cross References: BTO:BTO_0002268, CLO:CLO_0007746, ATCC:CRL-2110, CLS:305314, Hysigen:TCM-C745, Wikidata:Q54905967

ID: CVCL_3751

Vendor: ATCC

Catalog Number: CRL-2110

Record Creation Time: 20220427T220812+0000

Record Last Update: 20260904T014649+0000

Ratings and Alerts

No rating or validation information has been found for MLE-12.

No alerts have been found for MLE-12.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 304 mentions in open access literature.

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

Shen S, et al. (2026) ALDH1A3 promotes the lung metastatic organotropism of pancreatic ductal adenocarcinoma through semaphorin signaling. *iScience*, 29(6), 115950.

Shi MJ, et al. (2026) Repurposing the anesthetic dexmedetomidine: a novel antidote for sulfur mustard analog-induced acute lung injury via multi-mechanism modulation. *International immunopharmacology*, 170, 116069.

Xia C, et al. (2026) SYISL promotes pulmonary epithelial-mesenchymal transition and fibrosis through DSP-Hippo/YAP pathway. *Cellular and molecular life sciences : CMLS*, 83(1).

Codo AC, et al. (2026) Polystyrene microplastic-induced pathophysiology is driven by disruption of efferocytosis. *Immunity*, 59(3), 618.

Mi Y, et al. (2026) Novel BLT1 inhibitor baeckein E ameliorates LPS-induced acute lung injury through ferroptosis inhibition. *Phytomedicine : international journal of phytotherapy and phytopharmacology*, 155, 158147.

Qu Y, et al. (2026) Hyaluronic acid engineered melanin-MOF nanoreactor synergistically remodeling redox and immune homeostasis for targeted acute lung injury therapy. *Materials today. Bio*, 37, 102954.

Ai ZE, et al. (2026) Targeting ADAR1 p150 triggers tumor inhibition and antitumor immunity to overcome immunotherapy resistance. *iScience*, 29(6), 115978.

Chen S, et al. (2026) Iron drives protease-independent cleavage of gasdermin D in allergic airway diseases. *Cell*.

Zhang H, et al. (2025) USP18 confers protection against allergic asthma by suppressing CCL8 production in alveolar type II epithelial cells. *Respiratory research*, 27(1), 12.

Ravi VR, et al. (2025) Lung CD4⁺ resident memory T cells use airway secretory cells to stimulate and regulate onset of allergic airway neutrophilic disease. *Cell reports*, 44(3), 115294.

Li B, et al. (2024) LncRNA XIST modulates miR-328-3p ectopic expression in lung injury induced by tobacco-specific lung carcinogen NNK both in vitro and in vivo. *British journal of pharmacology*, 181(15), 2509.

Wang J, et al. (2024) Lipolysis engages CD36 to promote ZBP1-mediated necroptosis-impairing lung regeneration in COPD. *Cell reports. Medicine*, 5(9), 101732.

Lv H, et al. (2024) USP7 upregulated by TGF- β 1 promotes ferroptosis via inhibiting LATS1-YAP axis in sepsis-induced acute lung injury. *iScience*, 27(6), 109667.

Liu X, et al. (2024) The deubiquitinase BAP1 and E3 ligase UBE3C sequentially target IRF3 to activate and resolve the antiviral innate immune response. *Cell reports*, 43(8), 114608.

Rodrigues FS, et al. (2024) Bidirectional activation of stem-like programs between metastatic cancer and alveolar type 2 cells within the niche. *Developmental cell*, 59(18), 2398.

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

Li B, et al. (2024) Phytochemical investigation of Jie-Geng-Tang and regulatory role in the TNF- α pathway in mitigating pulmonary fibrosis using UPLC-Q-TOF/MS. *Naunyn-Schmiedeberg's archives of pharmacology*.

Xu H, et al. (2024) Cellular spermine targets JAK signaling to restrain cytokine-mediated autoimmunity. *Immunity*, 57(8), 1796.

Sun D, et al. (2023) Softness enhanced macrophage-mediated therapy of inhaled apoptotic-cell-inspired nanosystems for acute lung injury. *Journal of nanobiotechnology*, 21(1), 172.

Lin L, et al. (2023) Vascular Endothelial Growth Factor A Contributes to Increased Mammalian Respiratory Epithelial Permeability Induced by *Pasteurella multocida* Infection. *Microbiology spectrum*, 11(2), e0455422.