Resource Summary Report

Generated by RRID on Sep 2, 2026

MLO-A5

RRID:CVCL_0P24
Type: Cell Line

Proper Citation

RRID:CVCL_0P24

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0P24

Proper Citation: RRID:CVCL_0P24

Description: Cell line MLO-A5 is a Transformed cell line with a species of origin Mus musculus (Mouse)

Sex: Sex unspecified

Defining Citation: PMID:11547831, PMID:16738320, PMID:22130923

Comments: Characteristics: Model for the osteoblast to osteocyte differentiation process, the mineralization process and the effects of mechanical loading on biomineralization (Kerafast=EKC003).

Category: Transformed cell line

Organism: Mus musculus (Mouse)

Name: MLO-A5

Synonyms: MLOA5, Murine Long bone Osteocyte-A5

Cross References: Kerafast:EKC003, Wikidata:Q54905977

ID: CVCL_0P24

Record Creation Time: 20220427T220812+0000

Record Last Update: 20260829T234640+0000

Ratings and Alerts

No rating or validation information has been found for MLO-A5.

No alerts have been found for MLO-A5.

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 5 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Anloague A, et al. (2025) A novel CCL3-HMGB1 signaling axis regulating osteocyte RANKL expression in multiple myeloma. Haematologica, 110(4), 952.

Adhikari M, et al. (2024) Single-cell Transcriptome Analysis Identifies Senescent Osteocytes as Contributors to Bone Destruction in Breast Cancer Metastasis. Research square.

Kaur J, et al. (2024) Single-Cell Transcriptomic Analysis Identifies Senescent Osteocytes That Trigger Bone Destruction in Breast Cancer Metastasis. Cancer research, 84(23), 3936.

Sabol HM, et al. (2022) Notch3 signaling between myeloma cells and osteocytes in the tumor niche promotes tumor growth and bone destruction. Neoplasia (New York, N.Y.), 28, 100785.

Feng Y, et al. (2021) Mechanical Loading-Driven Tumor Suppression Is Mediated by Lrp5-Dependent and Independent Mechanisms. Cancers, 13(2).