MC3T3-E1 Subclone 4
RRID:CVCL_5440
Type: Cell Line

Proper Citation

(IZSLER Cat# BS CL 181, RRID:CVCL_5440)

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_5440

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Description: Cell line MC3T3-E1 Subclone 4 is a Spontaneously immortalized cell line with a species of origin Mus musculus

Sex: Sex unspecified

Defining Citation: PMID:10352097, PMID:23430347

Comments: Breed/subspecies: C57BL/6., Derived from sampling site: Bone; calvaria. Cell type=Osteoblast., Miscellaneous: STR profile from personal communication of Almeida J.L.; PubMed=23430347 has a different value for STR 6-4 (17) than that submitted (18) due to a change in the marker motif., Doubling time: 51.6 hours (CelloPub=CLPUB00625); ~38 hours (ATCC)., Characteristics: Exhibits high levels of osteoblast differentiation after growth in ascorbic acid and 3 to 4 mM inorganic phosphate. Forms a well mineralized extracellular matrix (ECM) after 10 days (ATCC).

Category: Spontaneously immortalized cell line

Organism: Mus musculus

Name: MC3T3-E1 Subclone 4

Synonyms: MC3T3, E1 subgroup-4 clone, MC3T3-E1(C4), MC-4

Ratings and Alerts

No rating or validation information has been found for MC3T3-E1 Subclone 4.

No alerts have been found for MC3T3-E1 Subclone 4.

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 4 mentions in open access literature.

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


