

Resource Summary Report

Generated by [dkNET](#) on Sep 11, 2026

C3H/10T1/2 clone 8

RRID:CVCL_0190

Type: Cell Line

Proper Citation

RRID:CVCL_0190

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0190

Proper Citation: RRID:CVCL_0190

Sex: Sex unspecified

Defining Citation: [PMID:3152871](#), [PMID:4357355](#), [PMID:4796800](#), [PMID:25277546](#)

Comments: Breed/subspecies: C3H., Derived from sampling site: Whole embryo. Cell type=Fibroblast., Misspelling: C3HT101/2; Occasionally., Misspelling: C3HIOT 1/2; In NCI-DTP., Omics: SNP array analysis., Doubling time: 15.5 hours, at 9th passage (PubMed=4357355)., Part of: ENCODE project mouse cell lines., Group: Space-flown cell line (cellonaut)., Discontinued: JCRB; JCRB0602; true.

Category: Spontaneously immortalized cell line

Name: C3H/10T1/2 clone 8

Synonyms: C3H/10T1/2-clone8, C3H/10T1/2 CL8, C3H10T1/2 clone8, C3H10T1/2CL8, 10T1/2(clone8), 10T1/2, C3H10T1-2, C3H10T1/2, C3H-10T1/2, C3H 10T1/2, C3H/10T1/2

Cross References: BTO:BTO:0004058, BTO:BTO:0005930, CLO:CLO_0002120, CLO:CLO_0050546, EFO:EFO_0002816, MCCL:MCC:0000081, CLDB:cl567, CLDB:cl568, AddexBio:P0011003/4921, ATCC:CCL-226, CCRID:1101MOU-PUMC000665, CCRID:3101MOUGNM19, CCRID:3101MOUSCSP506, ChEMBL-Cells:ChEMBL3307493, ChEMBL-Targets:ChEMBL614531, CLS:305164, ECACC:99072801, ENCODE:ENCBS034ENC, ENCODE:ENCBS035ENC, JCRB:IFO50415, JCRB:JCRB0003, JCRB:JCRB0602, JCRB:JCRB9080, KCB:KCB 2010243YJ, KCLB:10226, Lonza:1346, NCI-DTP:C3HIOT 1/2, PubChem_Cell_line:CVCL_0190, RCB:RCB0247, TOKU-E:3959, Wikidata:Q54808159

ID: CVCL_0190

Record Creation Time: 20220427T215434+0000

Record Last Update: 20260905T174502+0000

Ratings and Alerts

No rating or validation information has been found for C3H/10T1/2 clone 8.

Warning: Discontinued: JCRB; JCRB0602

Breed/subspecies: C3H., Derived from sampling site: Whole embryo. Cell type=Fibroblast., Misspelling: C3HT101/2; Occasionally., Misspelling: C3HIOT 1/2; In NCI-DTP., Omics: SNP array analysis., Doubling time: 15.5 hours, at 9th passage (PubMed=4357355)., Part of: ENCODE project mouse cell lines., Group: Space-flown cell line (cellonaut)., Discontinued: JCRB; JCRB0602; true.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 710 mentions in open access literature.

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

Manoukian P, et al. (2026) Estrogen Production in Pancreatic Cancer Shapes a Tumor-Suppressive Stromal Microenvironment. *Cancer research*, 86(3), 571.

Brunner JS, et al. (2026) Aspartate availability drives differential engagement of the malate-aspartate shuttle. *Molecular cell*, 86(5), 954.

Xie D, et al. (2026) TRPC6 governs brown adipose thermogenesis via a BMP2-p38 MAPK signaling axis. *Molecular metabolism*, 106, 102341.

Shirakawa T, et al. (2025) Regulation of cortical bone formation by SLIT and NTRK-like family member 1. *iScience*, 28(7), 112788.

Chen CY, et al. (2025) Pioglitazone plus (-)-epigallocatechin gallate: a novel approach to enhance osteogenic performance in aged bone marrow mesenchymal stem cells. *FEBS open bio*.

Murley A, et al. (2025) Quiescent cell re-entry is limited by macroautophagy-induced lysosomal damage. *Cell*, 188(10), 2670.

Contreras O, et al. (2025) OpenEMMU: A versatile, open-source EdU multiplexing methodology for studying DNA replication and cell cycle dynamics. *iScience*, 28(9), 113380.

Paras KI, et al. (2025) PAX3-FOXO1 Drives Targetable Cell State-Dependent Metabolic Vulnerabilities in Rhabdomyosarcoma. *Cancer research*, 85(23), 4718.

Manoukian P, et al. (2025) Stromal Hedgehog Signaling Is Associated with Favorable Outcomes in Pancreatic Cancer. *International journal of molecular sciences*, 26(11).

Ehlers SF, et al. (2024) A Residual N-Terminal Peptide Enhances Signaling of Depalmitoylated Hedgehog to the Patched Receptor. *Journal of developmental biology*, 12(2).

You C, et al. (2024) O-GlcNAcylation mediates Wnt-stimulated bone formation by rewiring aerobic glycolysis. *EMBO reports*, 25(10), 4465.

Yu L, et al. (2024) FcRn-dependent IgG accumulation in adipose tissue unmasks obesity pathophysiology. *Cell metabolism*.

Candray-Medina KS, et al. (2023) Differential cardiomyocyte transcriptomic remodeling during in vitro *Trypanosoma cruzi* infection using laboratory strains provides implications on pathogenic host responses. *Tropical medicine and health*, 51(1), 68.

Zhang Z, et al. (2023) O-GlcNAc glycosylation orchestrates fate decision and niche function of bone marrow stromal progenitors. *eLife*, 12.

Gude F, et al. (2023) Hedgehog is relayed through dynamic heparan sulfate interactions to shape its gradient. *Nature communications*, 14(1), 758.

Wang S, et al. (2023) miRNA-27a is essential for bone remodeling by modulating p62-mediated osteoclast signaling. *eLife*, 12.

Li M, et al. (2023) PPP3R1 Promotes MSCs Senescence by Inducing Plasma Membrane Depolarization and Increasing Ca²⁺ Influx. *International journal of molecular sciences*, 24(5).

Yu Y, et al. (2023) Neuropilin 1 (NRP1) Positively Regulates Adipogenic Differentiation in C3H10T1/2 Cells. *International journal of molecular sciences*, 24(8).

Zhang HJ, et al. (2023) Transgenic PDGF-BB sericin hydrogel potentiates bone regeneration of BMP9-stimulated mesenchymal stem cells through a crosstalk of the Smad-STAT pathways. *Regenerative biomaterials*, 10, rbac095.

Manikowski D, et al. (2023) *Drosophila* hedgehog signaling range and robustness depend on direct and sustained heparan sulfate interactions. *Frontiers in molecular biosciences*, 10, 1130064.