

Resource Summary Report

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

3T3-L1 MBX

RRID:CVCL_0A20

Type: Cell Line

Proper Citation

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Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0A20

Proper Citation: RRID:CVCL_0A20

Description: Cell line 3T3-L1 MBX is a Spontaneously immortalized cell line with a species of origin *Mus musculus* (Mouse)

Sex: Male

Category: Spontaneously immortalized cell line

Organism: *Mus musculus* (Mouse)

Name: 3T3-L1 MBX

Cross References: ATCC:CRL-3242, Wikidata:Q54602650

ID: CVCL_0A20

Hierarchy: cvcl_0123

Record Creation Time: 20220427T215051+0000

Record Last Update: 20260904T021107+0000

Ratings and Alerts

No rating or validation information has been found for 3T3-L1 MBX.

No alerts have been found for 3T3-L1 MBX.

Data and Source Information

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Snoke DB, et al. (2025) Early adipose tissue wasting in a preclinical model of human lung cancer cachexia. *Cell reports*, 44(9), 116278.

Naderi J, et al. (2025) Ceramide-induced FGF13 impairs systemic metabolic health. *Cell metabolism*, 37(5), 1206.

Snoke DB, et al. (2025) Early adipose tissue wasting in a novel preclinical model of human lung cancer cachexia. *bioRxiv : the preprint server for biology*.

Poynter ME, et al. (2024) Obesity-associated inflammatory macrophage polarization is inhibited by capsaicin and phytolignans. *American journal of physiology. Regulatory, integrative and comparative physiology*, 326(5), R370.

Tan J, et al. (2024) Limited oxygen in standard cell culture alters metabolism and function of differentiated cells. *The EMBO journal*, 43(11), 2127.

Kumagai H, et al. (2024) MOTS-c modulates skeletal muscle function by directly binding and activating CK2. *iScience*, 27(11), 111212.

Sabikunnahar B, et al. (2024) LncRNA U90926 is dispensable for the development of obesity-associated phenotypes in vivo. *Physiological reports*, 12(1), e15901.

Alvarez-Guaita A, et al. (2021) Phenotypic characterization of Adig null mice suggests roles for adipogenin in the regulation of fat mass accrual and leptin secretion. *Cell reports*, 34(10), 108810.

Ather JL, et al. (2021) Obese adipose tissue modulates proinflammatory responses of mouse airway epithelial cells. *American journal of physiology. Regulatory, integrative and comparative physiology*, 321(1), R79.

Kearney AL, et al. (2021) Akt phosphorylates insulin receptor substrate to limit PI3K-mediated PIP3 synthesis. *eLife*, 10.

Han CY, et al. (2020) Adipocyte-Derived Versican and Macrophage-Derived Biglycan Control Adipose Tissue Inflammation in Obesity. *Cell reports*, 31(13), 107818.

Needham EJ, et al. (2019) Phosphoproteomics of Acute Cell Stressors Targeting Exercise Signaling Networks Reveal Drug Interactions Regulating Protein Secretion. *Cell reports*, 29(6), 1524.

Fazakerley DJ, et al. (2018) Mitochondrial CoQ deficiency is a common driver of mitochondrial oxidants and insulin resistance. *eLife*, 7.

Beg M, et al. (2017) Distinct Akt phosphorylation states are required for insulin regulated Glut4 and Glut1-mediated glucose uptake. *eLife*, 6.