

Resource Summary Report

Generated by [NIF](#) on Aug 19, 2026

HC11

RRID:CVCL_0288

Type: Cell Line

Proper Citation

KCB Cat# KCB 2021044YJ, RRID:CVCL_0288

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0288

Proper Citation: KCB Cat# KCB 2021044YJ, RRID:CVCL_0288

Description: Cell line HC11 is a Spontaneously immortalized cell line with a species of origin Mus musculus (Mouse)

Sex: Female

Defining Citation: [PMID:3416834](#), [PMID:12702582](#), [PMID:19523745](#)

Category: Spontaneously immortalized cell line

Organism: Mus musculus (Mouse)

Name: HC11

Synonyms: HC-11, HC11 Mammary Epithelium

Cross References: BTO:BTO_0003892, EFO:EFO_0006414, MCCL:MCC:0000178, ABM:T0672, ATCC:CRL-3062, CCRID:3101MOUSCSP5037, CCRID:5301MOU-KCB21044YJ, CLS:305050, DSMZ:ACC-780, DSMZCellDive:ACC-780, KCB:KCB 2021044YJ, Lonza:967, Wikidata:Q54881476

ID: CVCL_0288

Vendor: KCB

Catalog Number: KCB 2021044YJ

Hierarchy: cvcl_5731

Record Creation Time: 20251203T083402+0000

Record Last Update: 20260816T002515+0000

Ratings and Alerts

No rating or validation information has been found for HC11.

No alerts have been found for HC11.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 130 mentions in open access literature.

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

van de Grift YBC, et al. (2026) GRHL and PGR control WNT4 expression via 3D looping of conserved and species-specific enhancers. Cell reports, 45(7), 117575.

Sun S, et al. (2026) Ammonia Detoxification Inhibits Liver Metastasis by Reshaping Hepatic Microenvironment. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(33), e21098.

Qi Y, et al. (2023) Sodium acetate regulates milk fat synthesis through the activation of GPR41/GPR43 signaling pathway. Frontiers in nutrition, 10, 1098715.

Zhao C, et al. (2023) Gut microbiota-mediated secondary bile acid alleviates Staphylococcus aureus-induced mastitis through the TGR5-cAMP-PKA-NF- κ B/NLRP3 pathways in mice. NPJ biofilms and microbiomes, 9(1), 8.

Zheng X, et al. (2023) Cascade amplification of tumor chemodynamic therapy and starvation with re-educated TAMs via Fe-MOF based functional nanosystem. Journal of nanobiotechnology, 21(1), 127.

Winkelmaier G, et al. (2023) Influence of Simulated Microgravity on Mammary Epithelial Cells Grown as 2D and 3D Cultures. International journal of molecular sciences, 24(8).

Diluvio G, et al. (2023) A novel chemical attack on Notch-mediated transcription by targeting the NACK ATPase. Molecular therapy oncolytics, 28, 307.

Bertolini I, et al. (2023) Intercellular hif1 α reprograms mammary progenitors and myeloid immune evasion to drive high-risk breast lesions. The Journal of clinical investigation, 133(8).

Ahmad W, et al. (2023) Global Down-regulation of Gene Expression Induced by Mouse Mammary Tumor Virus (MMTV) in Normal Mammary Epithelial Cells. Viruses, 15(5).

Cui T, et al. (2023) A neutrophil mimicking metal-porphyrin-based nanodevice loaded with porcine pancreatic elastase for cancer therapy. Nature communications, 14(1), 1974.

Sanchez L, et al. (2023) SIM2s directed Parkin-mediated mitophagy promotes mammary epithelial cell differentiation. *Cell death and differentiation*.

Lu Y, et al. (2022) Occludin is a target of Src kinase and promotes lipid secretion by binding to BTN1a1 and XOR. *PLoS biology*, 20(1), e3001518.

Ma R, et al. (2022) LGL1 binds to Integrin $\alpha 1$ and inhibits downstream signaling to promote epithelial branching in the mammary gland. *Cell reports*, 38(7), 110375.

Wang D, et al. (2022) CircEZH2 Regulates Milk Fat Metabolism through miR-378b Sponge Activity. *Animals : an open access journal from MDPI*, 12(6).

Fakhraldeem SA, et al. (2022) Enhanced immunoprecipitation techniques for the identification of RNA-binding protein partners: IGF2BP1 interactions in mammary epithelial cells. *The Journal of biological chemistry*, 298(3), 101649.

Josan C, et al. (2022) Effect of Delta-9-tetrahydrocannabinol and cannabidiol on milk proteins and lipid levels in HC11 cells. *PloS one*, 17(8), e0272819.

Larsen P, et al. (2022) Evaluation of Biological Activities and Medicinal Properties of Honey Drops and Honey Lozenges. *Nutrients*, 14(22).

Wang Z, et al. (2022) Establishment and validation of an aging-related risk signature associated with prognosis and tumor immune microenvironment in breast cancer. *European journal of medical research*, 27(1), 317.

Boieri M, et al. (2022) CD4⁺ T helper 2 cells suppress breast cancer by inducing terminal differentiation. *The Journal of experimental medicine*, 219(7).

Kim U, et al. (2022) Mammary-Enriched Transcription Factors Synergize to Activate the Wap Super-Enhancer for Mammary Gland Development. *International journal of molecular sciences*, 23(19).