

Resource Summary Report

Generated by [RRID](#) on Sep 2, 2026

mCCDcl1

RRID:CVCL_B7HR

Type: Cell Line

Proper Citation

ABM Cat# T0620, RRID:CVCL_B7HR

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_B7HR

Proper Citation: ABM Cat# T0620, RRID:CVCL_B7HR

Description: Cell line mCCDcl1 is a Spontaneously immortalized cell line with a species of origin *Mus musculus* (Mouse)

Sex: Male

Defining Citation: [PMID:15743993](#), [PMID:19297448](#), [PMID:21178974](#), [PMID:29357433](#)

Comments: Miscellaneous: Sex of mouse and STR profile from personal communication of Hummler, Edith., Miscellaneous: Doubling time from personal communication of Rossier, Bernard Claude., Characteristics: Expresses epithelial sodium channels (ENaC) as well as the necessary cellular machinery to enable their stimulation by physiological concentrations of aldosterone, including 11-beta-hydroxysteroid dehydrogenase (HSD11b2), mineralocorticoid and glucocorticoid receptors and have therefore been used as a model for the study of principal cells physiology (PubMed=15743993; PubMed=29357433).

Category: Spontaneously immortalized cell line

Organism: *Mus musculus* (Mouse)

Name: mCCDcl1

Synonyms: mCCD(cl1), mCCD-CL1, mCCD cl1, mouse Cortical Collecting Duct clone 1

Cross References: ABM:T0620, Wikidata:Q112930084

ID: CVCL_B7HR

Vendor: ABM

Catalog Number: T0620

Record Creation Time: 20220624T071011+0000

Record Last Update: 20260830T000516+0000

Ratings and Alerts

No rating or validation information has been found for mCCDcl1.

No alerts have been found for mCCDcl1.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Ruan Y, et al. (2026) VHL-recruiting PROTAC attenuates AKI-CKD transition via simultaneous degradation of Smad3 and stabilization of HIF-2???. Cell death & disease, 17(1).

Frindt G, et al. (2025) Kinetics of aldosterone-dependent ENaC trafficking in the kidney. The Journal of general physiology, 157(5).

Mutchler SM, et al. (2024) Role of paraoxonase 3 in regulating ENaC-mediated Na⁺ transport in the distal nephron. The Journal of physiology, 602(4), 737.