

Resource Summary Report

Generated by [RRID](#) on Aug 27, 2026

CAD

RRID:CVCL_0199

Type: Cell Line

Proper Citation

RRID:CVCL_0199

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0199

Proper Citation: RRID:CVCL_0199

Description: Cell line CAD is a Transformed cell line with a species of origin Mus musculus (Mouse)

Sex: Male

Defining Citation: [PMID:9006967](#)

Comments: Characteristics: Seems to have lost the expression of the parental cell SV40 T antigen., Characteristics: Will differentiate to form neuronal processes in serum free conditions.

Category: Transformed cell line

Organism: Mus musculus (Mouse)

Name: CAD

Synonyms: Cath-A-Differentiated

Cross References: BTO:BTO_0003695, MCCL:MCC:0000090, ECACC:08100805, Wikidata:Q54808330

ID: CVCL_0199

Hierarchy: cvcl_0204

Record Creation Time: 20220427T215437+0000

Record Last Update: 20260815T231954+0000

Ratings and Alerts

No rating or validation information has been found for CAD.

No alerts have been found for CAD.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Khongkla E, et al. (2026) Proteomic profiling reveals mitochondrial metabolic alterations in dexamethasone-induced neuronal differentiation. *Science progress*, 109(3), 368504261459907.

Li A, et al. (2025) Endosomal protein DENND10 promotes developmental competence of neurite extension. *iScience*, 28(5), 112385.

Goering R, et al. (2023) RNA localization mechanisms transcend cell morphology. *eLife*, 12.

Aduroja O, et al. (2023) Microwave-assisted synthesis for a highly selective rhodamine 6G-derived fluorescent sensor and bioimaging. *Inorganic chemistry communications*, 147.

Soukup J, et al. (2023) Large extracellular vesicles transfer more prions and infect cell culture better than small extracellular vesicles. *Biochemical and biophysical research communications*, 687, 149208.

Khongkla E, et al. (2022) A Novel Methodology Using Dexamethasone to Induce Neuronal Differentiation in the CNS-Derived Catecholaminergic CAD Cells. *Cellular and molecular neurobiology*, 42(7), 2337.

Lycas MD, et al. (2022) Nanoscopic dopamine transporter distribution and conformation are inversely regulated by excitatory drive and D2 autoreceptor activity. *Cell reports*, 40(13), 111431.

Blasius TL, et al. (2021) Sequences in the stalk domain regulate auto-inhibition and ciliary tip localization of the immotile kinesin-4 KIF7. *Journal of cell science*, 134(13).

Bourdenx M, et al. (2021) Chaperone-mediated autophagy prevents collapse of the neuronal metastable proteome. *Cell*, 184(10), 2696.

Goering R, et al. (2020) FMRP promotes RNA localization to neuronal projections through interactions between its RGG domain and G-quadruplex RNA sequences. *eLife*, 9.

Costa AR, et al. (2020) The membrane periodic skeleton is an actomyosin network that regulates axonal diameter and conduction. *eLife*, 9.

Fiszbein A, et al. (2019) Exon-Mediated Activation of Transcription Starts. *Cell*, 179(7), 1551.

Ryu HG, et al. (2019) HNRNP Q suppresses polyglutamine huntingtin aggregation by post-transcriptional regulation of vaccinia-related kinase 2. *Journal of neurochemistry*, 149(3), 413.

Dustrude ET, et al. (2017) A single structurally conserved SUMOylation site in CRMP2 controls NaV1.7 function. *Channels (Austin, Tex.)*, 11(4), 316.

Steinman JB, et al. (2017) Chemical structure-guided design of dynapyrazoles, cell-permeable dynein inhibitors with a unique mode of action. *eLife*, 6.

Dustrude ET, et al. (2016) Hierarchical CRMP2 posttranslational modifications control NaV1.7 function. *Proceedings of the National Academy of Sciences of the United States of America*, 113(52), E8443.