

# Resource Summary Report

Generated by [NIF](#) on Sep 9, 2026

## CAD

RRID:CVCL\_0199

Type: Cell Line

---

### Proper Citation

RRID:CVCL\_0199

---

### Cell Line Information

**URL:** [https://web.expasy.org/cellosaurus/CVCL\\_0199](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:** 20260905T174509+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 [NIF](#) .

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.

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.

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

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.