

Resource Summary Report

Generated by [dkNET](#) on Aug 30, 2026

IEC-18

RRID:CVCL_0342

Type: Cell Line

Proper Citation

RRID:CVCL_0342

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0342

Proper Citation: RRID:CVCL_0342

Description: Cell line IEC-18 is a Finite cell line with a species of origin Rattus norvegicus (Rat)

Sex: Sex unspecified

Defining Citation: [PMID:6273638](#), [PMID:22358603](#)

Comments: Senescence: Capable of at least 20 PDL.

Category: Finite cell line

Organism: Rattus norvegicus (Rat)

Name: IEC-18

Synonyms: IEC 18, IEC18, Intestinal Epithelioid Cell line No. 18

Cross References: BTO:BTO_0004604, CLO:CLO_0004341, MCCL:MCC:0000238, CLDB:cl1801, ATCC:CRL-1589, BCRC:60230, BCRJ:0116, CLS:305302, ECACC:88011801, IZSLER:BS CL 224, KCLB:21589, NCBI_Iran:C528, Wikidata:Q54897314

ID: CVCL_0342

Record Creation Time: 20220427T220630+0000

Record Last Update: 20260829T234312+0000

Ratings and Alerts

No rating or validation information has been found for IEC-18.

Warning: Discontinued: IZSLER; BS CL 224
Senescence: Capable of at least 20 PDL.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Lee LW, et al. (2025) Mechanobiological mechanism of cyclic stretch-induced cell columnarization. Cell reports, 44(5), 115662.

Len-Tayon K, et al. (2024) A vitamin D-based strategy overcomes chemoresistance in prostate cancer. British journal of pharmacology, 181(21), 4279.

Peluso-Iltis C, et al. (2024) 4-Hydroxy-1 β ,25-Dihydroxyvitamin D₃: Synthesis and Structure-Function Study. Biomolecules, 14(5).

Itakura H, et al. (2023) Tumor-suppressive role of the musculoaponeurotic fibrosarcoma gene in colorectal cancer. iScience, 26(4), 106478.

Sinnett-Smith J, et al. (2023) Statins inhibit protein kinase D (PKD) activation in intestinal cells and prevent PKD1-induced growth of murine enteroids. American journal of physiology. Cell physiology, 324(4), C807.

Ahmad A, et al. (2022) Development and Evaluation of a TaqMan Real-Time PCR Assay for the Rapid Detection of Cross-Contamination of RD (Human) and L20B (Mouse) Cell Lines Used in Poliovirus Surveillance. Journal of virological methods, 300, 114354.

Purde V, et al. (2020) Intein-mediated cytoplasmic reconstitution of a split toxin enables selective cell ablation in mixed populations and tumor xenografts. Proceedings of the National Academy of Sciences of the United States of America, 117(36), 22090.

Martínez-León E, et al. (2019) Protein kinase D1 inhibition interferes with mitosis progression. Journal of cellular physiology, 234(11), 20510.