

Resource Summary Report

Generated by [RRID](#) on Sep 7, 2026

CHO-DG44

RRID:CVCL_7180

Type: Cell Line

Proper Citation

RRID:CVCL_7180

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_7180

Proper Citation: RRID:CVCL_7180

Sex: Female

Defining Citation: [PMID:6305508](#), [PMID:16403443](#), [PMID:21345355](#), [PMID:23873082](#), [PMID:28876938](#), [PMID:29987698](#), [PMID:32619503](#), [PMID:32985598](#), [PMID:34050613](#)

Comments: Derived from sampling site: Ovary., Omics: Genome sequenced., Omics: Deep proteome analysis., Transformant: NCIt; C129640; Cobalt-60 gamma radiation., Characteristics: Lacks both copies of the Dhfr gene.

Category: Spontaneously immortalized cell line

Name: CHO-DG44

Synonyms: CHO DG44, CHO-DG44 (DHFR-), CHO DG-44, DG-44, DG44

Cross References: Lonza:467, Lonza:468, NCBI_Iran:C576, TOKU-E:3678, Wikidata:Q54812671

ID: CVCL_7180

Record Creation Time: 20220427T215500+0000

Record Last Update: 20260905T174604+0000

Ratings and Alerts

No rating or validation information has been found for CHO-DG44.

No alerts have been found for CHO-DG44.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 164 mentions in open access literature.

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

Schellenberg J, et al. (2023) Establishment of a Perfusion Process with Antibody-Producing CHO Cells Using a 3D-Printed Microfluidic Spiral Separator with Web-Based Flow Control. *Bioengineering (Basel, Switzerland)*, 10(6).

Palmeri JR, et al. (2023) Tregs constrain CD8 + T cell priming required for curative intratumorally anchored anti-4-1BB immunotherapy. *bioRxiv : the preprint server for biology*.

Mazahreh R, et al. (2023) SGN-CD228A Is an Investigational CD228-Directed Antibody-Drug Conjugate with Potent Antitumor Activity across a Wide Spectrum of Preclinical Solid Tumor Models. *Molecular cancer therapeutics*, 22(4), 421.

Kreye J, et al. (2023) Preclinical safety and efficacy of a therapeutic antibody that targets SARS-CoV-2 at the sotrovimab face but is escaped by Omicron. *iScience*, 26(4), 106323.

Hessmann S, et al. (2023) Host cell protein quantification workflow using optimized standards combined with data-independent acquisition mass spectrometry. *Journal of pharmaceutical analysis*, 13(5), 494.

Rashid F, et al. (2023) Mechanomemory in protein diffusivity of chromatin and nucleoplasm after force cessation. *Proceedings of the National Academy of Sciences of the United States of America*, 120(13), e2221432120.

Toporova VA, et al. (2023) Optimization of recombinant antibody production based on the vector design and the level of metabolites for generation of Ig- producing stable cell lines. *Journal, genetic engineering & biotechnology*, 21(1), 23.

Hureau M, et al. (2023) Evaluation of Endocan as a Treatment for Acute Inflammatory Respiratory Failure. *Cells*, 12(2).

Kalyoncu S, et al. (2023) Process development for an effective COVID-19 vaccine candidate harboring recombinant SARS-CoV-2 delta plus receptor binding domain produced by *Pichia pastoris*. *Scientific reports*, 13(1), 5224.

Reger LN, et al. (2023) Boosting Productivity for Advanced Biomanufacturing by Re-Using Viable Cells. *Frontiers in bioengineering and biotechnology*, 11, 1106292.

Jin Q, et al. (2022) The protective effect of a combination of human intracellular and extracellular antibodies against the highly pathogenic avian influenza H5N1 virus. *Human vaccines & immunotherapeutics*, 18(1), 2035118.

Goebel EJ, et al. (2022) The orphan ligand, activin C, signals through activin receptor-like kinase 7. *eLife*, 11.

Schulze M, et al. (2022) Rapid intensification of an established CHO cell fed-batch process. *Biotechnology progress*, 38(1), e3213.

Badowski C, et al. (2022) Detrimental Effects of IFN- γ on an Epidermolysis Bullosa Simplex Cell Model and Protection by a Humanized Anti-IFN- γ Monoclonal Antibody. *JID innovations : skin science from molecules to population health*, 2(2), 100096.

Sugyo A, et al. (2022) In vivo validation of the switch antibody concept: SPECT/CT imaging of the anti-CD137 switch antibody Sta-MB shows high uptake in tumors but low uptake in normal organs in human CD137 knock-in mice. *Translational oncology*, 23, 101481.

Toktay Y, et al. (2022) Engineering and validation of a dual luciferase reporter system for quantitative and systematic assessment of regulatory sequences in Chinese hamster ovary cells. *Scientific reports*, 12(1), 6050.

Schellenberg J, et al. (2022) Stress-induced increase of monoclonal antibody production in CHO cells. *Engineering in life sciences*, 22(5), 427.

Cai CX, et al. (2022) Tyrosine O-sulfation proteoforms affect HIV-1 monoclonal antibody potency. *Scientific reports*, 12(1), 8433.

Fischer S, et al. (2022) Loss of a newly discovered microRNA in Chinese hamster ovary cells leads to upregulation of N-glycolylneuraminic acid sialylation on monoclonal antibodies. *Biotechnology and bioengineering*, 119(3), 832.

Jeong BS, et al. (2022) Structural and functional characterization of a monoclonal antibody blocking TIGIT. *mAbs*, 14(1), 2013750.