

Resource Summary Report

Generated by [NIF](#) on Aug 6, 2026

EO771

RRID:CVCL_GR23

Type: Cell Line

Proper Citation

ATCC Cat# CRL-3461, RRID:CVCL_GR23

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_GR23

Proper Citation: ATCC Cat# CRL-3461, RRID:CVCL_GR23

Description: Cell line EO771 is a Cancer cell line with a species of origin Mus musculus (Mouse)

Sex: Female

Disease: Malignant neoplasms of the mouse mammary gland

Defining Citation: [PMID:16312045](#), [PMID:24391448](#), [PMID:32699527](#), [PMID:33026171](#)

Comments: Miscellaneous: STR profile from personal communication of Rodriguez-Tarduchy Segovia, Gemma., Characteristics: Belongs to the luminal subtype B; ERalpha-, ERbeta+, PR+ and ErbB2+ (PubMed=32699527).

Category: Cancer cell line

Organism: Mus musculus (Mouse)

Name: EO771

Synonyms: Eo771, E0771, EO 771

Cross References: ATCC:CRL-3461, ChEMBL-Cells:ChEMBL4483168, ChEMBL-Targets:ChEMBL4483234, CLS:305352, PubChem_Cell_line:CVCL_GR23, Wikidata:Q54832331

ID: CVCL_GR23

Vendor: ATCC

Catalog Number: CRL-3461

Record Creation Time: 20220427T215833+0000

Record Last Update: 20260802T000218+0000

Ratings and Alerts

No rating or validation information has been found for EO771.

No alerts have been found for EO771.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 445 mentions in open access literature.

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

Beeghly GF, et al. (2025) Large adipocytes alter mode of lipid release and promote breast cancer malignancy. bioRxiv : the preprint server for biology.

Liang Z, et al. (2025) Atractylodes macrocephala Koidz. Polysaccharide Alleviates Chemotherapy-Induced Depression-Like Behaviors Through the Gut-Brain Axis. International journal of molecular sciences, 26(20).

Heard MA, et al. (2025) Genetic and pharmacological targeting of nicotinic acetylcholine receptor action blocks tumor progression in mouse models of breast cancer. Journal of immunology (Baltimore, Md. : 1950), 214(8), 2098.

Han Y, et al. (2025) Tumors hijack macrophages for iron supply to promote bone metastasis and anemia. Cell.

Tang X, et al. (2025) Inhibition of autotaxin activity with IOA-289 decreases fibrosis in mouse E0771 breast tumors. International journal of cancer, 157(6), 1205.

Massara M, et al. (2025) The bacterial microbiome modulates the initiation of brain metastasis by impacting the gut-to-brain axis. iScience, 28(2), 111874.

Lai YG, et al. (2025) cGAS and STING in Host Myeloid Cells Are Essential for Effective Cyclophosphamide Treatment of Advanced Breast Cancer. Cancers, 17(7).

Smith LA, et al. (2025) Weight Loss Reverses the Effects of Aging and Obesity on Mammary Tumor Immunosuppression and Progression. Cancer prevention research (Philadelphia, Pa.), 18(8), 453.

Li B, et al. (2025) Manipulating the cGAS-STING Axis: advancing innovative strategies for osteosarcoma therapeutics. Frontiers in immunology, 16, 1539396.

Sun J, et al. (2025) Blocking WNT7A Enhances MHC-I Antigen Presentation and Enhances the Effectiveness of Immune Checkpoint Blockade Therapy. *Cancer immunology research*, 13(3), 400.

Mei W, et al. (2025) A commonly inherited human PCSK9 germline variant drives breast cancer metastasis via LRP1 receptor. *Cell*, 188(2), 371.

Elder AM, et al. (2025) Semaphorin7A and PD-L1 cooperatively drive immunosuppression during mammary involution and breast cancer. *Cell reports*, 44(5), 115676.

Yang X, et al. (2025) Secretogranin 2 binds LILRB4 resulting in immunosuppression. *Nature immunology*, 26(9), 1567.

Kines KT, et al. (2025) Aging-induced semaphorin 7a promotes TGF- β 1-mediated cell plasticity and breast tumor metastases. *Cell reports*, 44(8), 116042.

Gujar R, et al. (2025) Developing a therapeutic elastase that stimulates anti-tumor immunity by selectively killing cancer cells. *Cell reports. Medicine*, 6(11), 102446.

Osorio JC, et al. (2025) Fc-optimized CD40 agonistic antibody elicits tertiary lymphoid structure formation and systemic antitumor immunity in metastatic cancer. *Cancer cell*.

Sun P, et al. (2025) A fluorescent STING ligand sensor for high-throughput screening of compounds that can enhance tumor immunotherapy. *Cell reports methods*, 5(7), 101106.

Wang F, et al. (2025) TSH Ligand-Based CAR-T Cell Effectively Eradicates TSHR-Positive Thyroid Cancer with Favorable Safety Profile. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, e13243.

Dalangood S, et al. (2025) Cancer-associated adipocytes mediate CD8+T cell dysfunction via FGF21-driven lipolysis. *Cell reports*, 44(11), 116526.

Zhao Y, et al. (2025) A Four Amino Acid Intracellular Motif of VISTA Blocks Growth Receptor Signaling in Cancer Cells to Induce Tumor Suppression. *Cancer research*, 85(18), 3399.