Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 12, 2025

MC-38

RRID:CVCL_B288
Type: Cell Line

Proper Citation

(Ubigene Cat# YC-A002, RRID:CVCL_B288)

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_B288

Proper Citation: (Ubigene Cat# YC-A002, RRID:CVCL_B288)

Sex: Female

Defining Citation: PMID:1149045, PMID:1255804, PMID:16320114, PMID:25277546, PMID:25434994

Comments: Caution: The authors of PubMed=25434994 indicate that they have sequenced the mitochondrial genome of the 'rat' cell line MCA38. Their submitted DNA sequence (KM820832.1) is indeed a rat sequence but is labelled as originating from 'rat isolate 406'., Omics: Transcriptome analysis by microarray., Omics: SNP array analysis., Omics: Mitochondrial genome sequenced.

Category: Cancer cell line

Name: MC-38

Synonyms: MCA-38, MCA 38, MCA38, MC38, Mouse Colon 38, Murine Carcinoma-38, Colon-38, Colon 38, Colon38, C38

Cross References: BTO:BTO_0004163, CCRID:1101MOU-PUMC000523, ChEMBL-Cells:CHEMBL3307696, ChEMBL-Targets:CHEMBL612821, CLS:305223, Kerafast:ENH204-FP, Lonza:893, Millipore:SCC172, PubChem_Cell_line:CVCL_B288, Ubigene:YC-A002, Wikidata:Q54904168

ID: CVCL_B288

Vendor: Ubigene

Catalog Number: YC-A002

Record Creation Time: 20250131T201319+0000

Record Last Update: 20250131T202913+0000

Ratings and Alerts

No rating or validation information has been found for MC-38.

No alerts have been found for MC-38.

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 1314 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Xie J, et al. (2024) Extracellular vesicles-derived CXCL4 is a candidate serum tumor biomarker for colorectal cancer. iScience, 27(4), 109612.

Kim Y, et al. (2024) Fecal microbiota transplantation improves anti-PD-1 inhibitor efficacy in unresectable or metastatic solid cancers refractory to anti-PD-1 inhibitor. Cell host & microbe, 32(8), 1380.

Guo Y, et al. (2024) S100a8/a9 regulated by LPS/TLR4 axis plays an important role in Salmonella-based tumor therapy and host defense. International journal of cancer, 155(11), 2080.

Lee KJ, et al. (2024) IL-7-primed bystander CD8 tumor-infiltrating lymphocytes optimize the antitumor efficacy of T cell engager immunotherapy. Cell reports. Medicine, 5(5), 101567.

Funauchi M, et al. (2024) Tumor cell-expressed lipolysis-stimulated lipoprotein receptor negatively regulates T-cell function. International journal of cancer, 154(3), 425.

Ding R, et al. (2024) Lactate modulates RNA splicing to promote CTLA-4 expression in tumor-infiltrating regulatory T cells. Immunity, 57(3), 528.

Djajawi TM, et al. (2024) PRMT1 acts as a suppressor of MHC-I and anti-tumor immunity. Cell reports, 43(3), 113831.

Zhang C, et al. (2024) Non-alcoholic fatty liver disease promotes liver metastasis of colorectal cancer via fatty acid synthase dependent EGFR palmitoylation. Cell death discovery, 10(1), 41.

Koh DI, et al. (2024) The Immune Suppressor IGSF1 as a Potential Target for Cancer Immunotherapy. Cancer immunology research, 12(4), 491.

Singh A, et al. (2024) Leukocyte-associated immunoglobulin-like receptor-1 blockade in combination with programmed death-ligand 1 targeting therapy mediates increased tumour control in mice. Cancer immunology, immunotherapy : CII, 73(1), 16.

Peng Y, et al. (2024) Non-IL-2-blocking anti-CD25 antibody inhibits tumor growth by depleting Tregs and has synergistic effects with anti-CTLA-4 therapy. International journal of cancer, 154(7), 1285.

Memon D, et al. (2024) Clinical and molecular features of acquired resistance to immunotherapy in non-small cell lung cancer. Cancer cell, 42(2), 209.

Trimaglio G, et al. (2024) The C-type lectin DCIR contributes to the immune response and pathogenesis of colorectal cancer. Scientific reports, 14(1), 7199.

Cheng S, et al. (2024) Multi-omics of the gut microbial ecosystem in patients with microsatellite-instability-high gastrointestinal cancer resistant to immunotherapy. Cell reports. Medicine, 5(1), 101355.

Sun J, et al. (2024) Fatty acid binding protein 5 suppression attenuates obesity-induced hepatocellular carcinoma by promoting ferroptosis and intratumoral immune rewiring. Nature metabolism, 6(4), 741.

Ran L, et al. (2024) The transcription regulator ID3 maintains tumor-specific memory CD8+ T cells in draining lymph nodes during tumorigenesis. Cell reports, 43(9), 114690.

Wang C, et al. (2024) Circadian tumor infiltration and function of CD8+ T cells dictate immunotherapy efficacy. Cell, 187(11), 2690.

Patel E, et al. (2024) XTX301, a Tumor-Activated Interleukin-12 Has the Potential to Widen the Therapeutic Index of IL12 Treatment for Solid Tumors as Evidenced by Preclinical Studies. Molecular cancer therapeutics, 23(4), 421.

Zhou W, et al. (2024) Stem-like progenitor and terminally differentiated TFH-like CD4+ T cell exhaustion in the tumor microenvironment. Cell reports, 43(2), 113797.

Fukushima H, et al. (2024) Phototruncation cell tracking with near-infrared photoimmunotherapy using heptamethine cyanine dye to visualise migratory dynamics of immune cells. EBioMedicine, 102, 105050.