Resource Summary Report

Generated by dkNET on Sep 7, 2026

B16-F1

RRID:CVCL_0158
Type: Cell Line

Proper Citation

RCB Cat# RCB2649, RRID:CVCL_0158

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0158

Proper Citation: RCB Cat# RCB2649, RRID:CVCL_0158

Description: Cell line B16-F1 is a Cancer cell line with a species of origin Mus musculus (Mouse)

Sex: Male

Disease: Mouse melanoma

Defining Citation: PMID:210294, PMID:1109790, PMID:6498800, PMID:6539703, PMID:11833741, PMID:22797548, PMID:25277546, PMID:31220119, PMID:33596583

Comments: Karyotypic information: Near tetraploid karyotype (PubMed=33596583)., Characteristics: Has a low metastatic potential., Characteristics: Obtained from the pulmonary melanoma module of the 1st serial passage of the B16-F0 parent cell line in C57BL/6 mice.

Category: Cancer cell line

Organism: Mus musculus (Mouse)

Name: B16-F1

Synonyms: B16/F1, B16 F1, B16F1

Cross References: BTO:BTO_0003853, CLO:CLO_0001793, CLO:CLO_0050764, EFO:EFO_0022821, MCCL:MCC:0000050, CLDB:cl337, CLDB:cl338, ATCC:CRL-6323, BCRC:60030, BCRJ:0045, BioSample:SAMN11397654, CCRID:1101MOU-PUMC000365, CCRID:4201MOU-CCTCC00039, CCTCC:GDC0039, ChEMBL-Cells:CHEMBL4295385, ChEMBL-Targets:CHEMBL4296402, CLS:400122, ECACC:92101203, KCLB:80007, Lonza:1278, NCI-DTP:B16F1, PRIDE:PXD018083, PubChem_Cell_line:CVCL_0158, RCB:RCB2649, TKG:TKG 0347, TOKU-E:581, Wikidata:Q54752433

ID: CVCL_0158

Vendor: RCB

Catalog Number: RCB2649

Hierarchy: cvcl_0604

Record Creation Time: 20220427T215231+0000

Record Last Update: 20260905T184707+0000

Ratings and Alerts

No rating or validation information has been found for B16-F1.

No alerts have been found for B16-F1.

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 497 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Nogués L, et al. (2026) NGFR induces melanoma invasion and immunotherapy resistance through myosin light chain 2 modulation. The EMBO journal, 45(14), 4988.

Avanessian SC, et al. (2026) IL2/IL15 Signaling Induces NK Cell Production of FLT3LG, Augmenting Anti-PD-1 Immunotherapy. Cancer immunology research, 14(1), 122.

Liu S, et al. (2026) ?-hydroxybutyrate enhances the metabolic fitness of CAR T cells in cancer. Cell, 189(6), 1701.

Su X, et al. (2026) Targeted delivery and controlled release of deferasirox for melanoma therapy. iScience, 29(4), 115303.

Wannakul T, et al. (2025) Loss of fatty acid-binding protein 7 promotes B16F10 melanoma metastasis. Scientific reports, 15(1), 10495.

Komuro M, et al. (2025) Loss of Actrt1 in non-hematopoietic stroma suppresses pathological angiogenesis and tumor progression. Biochemical and biophysical research communications, 790, 152916.

Yu Y, et al. (2025) PTEN protein phosphatase activity regulates metastasis by targeting PKC?. iScience, 28(6), 112741.

Qu K, et al. (2025) Enhancement of antitumor immunity by CTLA-4 antisense oligonucleotides with CpG motif in mice. International immunopharmacology, 167, 115648.

Alicea Pauneto CDM, et al. (2025) Intra-tumoral hypoxia promotes CD8+ T cell dysfunction via chronic activation of integrated stress response transcription factor ATF4. Immunity.

Gu C, et al. (2025) An innovative engineered IL-10 monomer strengthens T cell-mediated anti-tumor responses through anti-PD-1 cis-delivery. Cell reports. Medicine, 102515.

Novak J, et al. (2025) The adaptor protein Miro1 modulates horizontal transfer of mitochondria in mouse melanoma models. Cell reports, 44(1), 115154.

Huang YH, et al. (2024) Discovery of a mu-opioid receptor modulator that in combination with morphinan antagonists induces analgesia. Cell chemical biology.

Buracco S, et al. (2024) Scar/WAVE drives actin protrusions independently of its VCA domain using proline-rich domains. Current biology : CB, 34(19), 4436.

Bugno J, et al. (2024) Targeting the Dendritic Cell-Secreted Immunoregulatory Cytokine CCL22 Alleviates Radioresistance. Clinical cancer research : an official journal of the American Association for Cancer Research, 30(19), 4450.

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.

Hernandez-Franco JF, et al. (2024) Intradermal vaccination with a phytoglycogen nanoparticle and STING agonist induces cytotoxic T lymphocyte-mediated antitumor immunity. NPJ vaccines, 9(1), 149.

Hunt EG, et al. (2024) Acetyl-CoA carboxylase obstructs CD8+ T cell lipid utilization in the tumor microenvironment. Cell metabolism.

Gaeta IM, et al. (2023) BioID2 screening identifies KIAA1671 as an EPS8 proximal factor that marks sites of microvillus growth. Molecular biology of the cell, 34(4), ar31.

Pokrant T, et al. (2023) Ena/VASP clustering at microspike tips involves lamellipodin but not I-BAR proteins, and absolutely requires unconventional myosin-X. Proceedings of the National Academy of Sciences of the United States of America, 120(2), e2217437120.

Dej-Adisai S, et al. (2023) In Vitro, In Vivo, and In Silico Analyses of Molecular Anti-Pigmentation Mechanisms of Selected Thai Rejuvenating Remedy and Bioactive Metabolites. Molecules (Basel, Switzerland), 28(3).