Resource Summary Report

Generated by dkNET on Sep 3, 2026

YAC-1

RRID:CVCL_2244
Type: Cell Line

Proper Citation

BCRJ Cat# 0255, RRID:CVCL_2244

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_2244

Proper Citation: BCRJ Cat# 0255, RRID:CVCL_2244

Description: Cell line YAC-1 is a Cancer cell line with a species of origin Mus musculus (Mouse)

Disease: Mouse lymphoma

Defining Citation: PMID:75945, PMID:1234049, PMID:31220119

Comments: Part of: Tumor Immunology Bank (TIB) collection from Salk (transferred to ATCC in 1981).

Category: Cancer cell line

Organism: Mus musculus (Mouse)

Name: YAC-1

Synonyms: Yac-1, YAC

Cross References: BTO:BTO_0006063, CLO:CLO_0009710, CLO:CLO_0050173, CLO:CLO_0050187, CLDB:cl4800, CLDB:cl4801, CLDB:cl4802, CLDB:cl4803, ATCC:TIB-160, BCRC:60147, BCRJ:0255, BioSample:SAMN11397655, CCRID:1101MOU-PUMC000089, CCRID:3101MOUTCM28, CCRID:4201MOU-CCTCC00001, CCTCC:GDC0001, ChEMBL-Cells:CHEMBL3308419, ChEMBL-Targets:CHEMBL612814, CLS:400383, DSMZ:ACC-96, DSMZCellDive:ACC-96, ECACC:86022801, IZSLER:BS TCL 243, KCB:KCB 93031YJ, KCLB:40160, NCBI_Iran:C552, NCI-DTP:YAC, PubChem_Cell_line:CVCL_2244, RCB:RCB1165, RCB:RCB2799, TKG:TKG 0387, Wikidata:Q54995198

ID: CVCL_2244

Vendor: BCRJ

Catalog Number: 0255

Record Creation Time: 20220427T221737+0000

Record Last Update: 20260904T020023+0000

Ratings and Alerts

No rating or validation information has been found for YAC-1.

No alerts have been found for YAC-1.

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 404 mentions in open access literature.

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

Munoz MA, et al. (2026) NK cell dysfunction and interferon-? production underlie autoinflammation in mevalonate kinase deficiency. Immunity, 59(6), 1726.

Chen X, et al. (2026) Dopaminergic modulation of NK cell maturation and immune-associated social behavior in a 15q dup mouse model. Brain, behavior, and immunity, 135, 106527.

Chen N, et al. (2026) The potential of Protaetia brevitarsis as a functional food that enhances immune function and gut microbiota in mice. iScience, 29(4), 114939.

Morrison TA, et al. (2025) Selective requirement of glycosphingolipid synthesis for natural killer and cytotoxic T cells. Cell, 188(13), 3497.

Duhan V, et al. (2025) FcR?-Dependent NK Cell Licensing through CD244 Promotes Antitumor Immunity. Cancer immunology research, 13(12), 2075.

Schimmer S, et al. (2025) Dietary lipid overload creates a suppressive environment that impedes the antiviral functions of NK cells. iScience, 28(5), 112396.

Oh JH, et al. (2025) Naturalized immune responses are stable over years in a colony of laboratory mice with wild-derived microbiota. Immunity, 58(9), 2305.

He C, et al. (2024) Vitamin B6 Competition in the Tumor Microenvironment Hampers Antitumor Functions of NK Cells. Cancer discovery, 14(1), 176.

Zhao J, et al. (2023) Synergistic Antitumor Effect of Grifola frondose Polysaccharide-Protein Complex in Combination with Cyclophosphamide in H22 Tumor-Bearing Mice.

Molecules (Basel, Switzerland), 28(7).

Tamura Y, et al. (2023) A Sulfur Containing Melanogenesis Substrate, N-Pr-4-S-CAP as a Potential Source for Selective Chemoimmunotherapy of Malignant Melanoma. International journal of molecular sciences, 24(6).

Asahi T, et al. (2023) Liver type 1 innate lymphoid cells lacking IL-7 receptor are a native killer cell subset fostered by parenchymal niches. eLife, 12.

Luo L, et al. (2023) Transcription factor TOX maintains the expression of Mst1 in controlling the early mouse NK cell development. Theranostics, 13(7), 2072.

Guo Z, et al. (2023) In-vitro evaluation of immunomodulatory activity of sulphation-modified total ginsenosides derivative-3. Frontiers in veterinary science, 10, 1068315.

Díaz-Del Cerro E, et al. (2023) Skin-to-Skin Contact: Crucial for Improving Behavior, Immunity, and Redox State after Short Cohabitation of Chronologically Old Mice and Prematurely Aging Mice with Adult Mice. International journal of molecular sciences, 24(5).

Tian P, et al. (2023) Early life gut microbiota sustains liver-resident natural killer cells maturation via the butyrate-IL-18 axis. Nature communications, 14(1), 1710.

Kim S, et al. (2023) Immune-Enhancing Effects of Limosilactobacillus fermentum in BALB/c Mice Immunosuppressed by Cyclophosphamide. Nutrients, 15(4).

Zhang H, et al. (2023) Immunomodulatory activity of semen Ziziphi Spinosae protein: a potential plant protein functional food raw material. NPJ science of food, 7(1), 32.

Dong J, et al. (2023) Complete deletion of Ectromelia virus p28 impairs virus genome replication in a mouse strain, cell type, and multiplicity of infection-dependent manner. Virus research, 323, 198968.

Cao XY, et al. (2023) Effect of bacillus subtilis strain Z15 secondary metabolites on immune function in mice. BMC genomics, 24(1), 273.

Félix J, et al. (2023) In Response to a Punctual Stress Male and Female Tyrosine Hydroxylase Haploinsufficient Mice Show a Deteriorated Behavior, Immunity, and Redox State. International journal of molecular sciences, 24(8).