

Resource Summary Report

Generated by [NIF](#) on Sep 4, 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

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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 [NIF](#) .

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.

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

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 γ -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.

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.

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).

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

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

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.

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).

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

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.

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).

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.