

Resource Summary Report

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MS-5 [Mouse bone marrow]

RRID:CVCL_2128

Type: Cell Line

Proper Citation

(RCB Cat# RCB4680, RRID:CVCL_2128)

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_2128

Proper Citation: (RCB Cat# RCB4680, RRID:CVCL_2128)

Sex: Male

Defining Citation: [PMID:2783573](#)

Category: Stromal cell line

Name: MS-5 [Mouse bone marrow]

Synonyms: MS5, Mouse Stromal-5

Cross References: CLO:CLO_0007877, DSMZ:ACC-441, DSMZCellDive:ACC-441, RCB:RCB4680, Wikidata:Q54906772

ID: CVCL_2128

Vendor: RCB

Catalog Number: RCB4680

Record Creation Time: 20250131T201427+0000

Record Last Update: 20250131T203051+0000

Ratings and Alerts

No rating or validation information has been found for MS-5 [Mouse bone marrow].

No alerts have been found for MS-5 [Mouse bone marrow].

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 23 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Rivera M, et al. (2024) Protocol for in vitro co-culture assay for rapid expansion of human T cell acute lymphoblastic leukemia. STAR protocols, 5(2), 103103.

Zhu J, et al. (2024) The AXL inhibitor bemcentinib overcomes microenvironment-mediated resistance to pioglitazone in acute myeloid leukemia. The FEBS journal.

Carmi YK, et al. (2024) Ovarian cancer ascites confers platinum chemoresistance to ovarian cancer cells. Translational oncology, 44, 101939.

Fiore G, et al. (2024) Human CD34+-derived plasmacytoid dendritic cells as surrogates for primary pDCs and potential cancer immunotherapy. Frontiers in immunology, 15, 1433119.

de Smith AJ, et al. (2024) A noncoding regulatory variant in IKZF1 increases acute lymphoblastic leukemia risk in Hispanic/Latino children. Cell genomics, 4(4), 100526.

Sánchez-Costa M, et al. (2024) In-Hydrogel Cell-Free Protein Expression System as Biocompatible and Implantable Biomaterial. ACS applied materials & interfaces, 16(13), 15993.

Booth CA, et al. (2024) BPDCN MYB fusions regulate cell cycle genes, impair differentiation, and induce myeloid-dendritic cell leukemia. JCI insight, 9(24).

Piau O, et al. (2023) Generation of transgene-free hematopoietic stem cells from human induced pluripotent stem cells. Cell stem cell, 30(12), 1610.

Sanz-Horta R, et al. (2023) Polycaprolactone with multiscale porosity and patterned surface topography prepared using sacrificial 3D printed moulds: Towards tailor-made scaffolds. Biomaterials advances, 151, 213465.

Heger L, et al. (2023) XCR1 expression distinguishes human conventional dendritic cell type 1 with full effector functions from their immediate precursors. Proceedings of the National Academy of Sciences of the United States of America, 120(33), e2300343120.

Becker HJ, et al. (2023) Controlling genetic heterogeneity in gene-edited hematopoietic stem cells by single-cell expansion. *Cell stem cell*, 30(7), 987.

Miari KE, et al. (2023) Stromal bone marrow fibroblasts and mesenchymal stem cells support acute myeloid leukaemia cells and promote therapy resistance. *British journal of pharmacology*.

Vilaplana-Lopera N, et al. (2022) Crosstalk between AML and stromal cells triggers acetate secretion through the metabolic rewiring of stromal cells. *eLife*, 11.

Morris V, et al. (2022) Hypoxic, glycolytic metabolism is a vulnerability of B-acute lymphoblastic leukemia-initiating cells. *Cell reports*, 39(4), 110752.

Reid JC, et al. (2021) Human pluripotent stem cells identify molecular targets of trisomy 12 in chronic lymphocytic leukemia patients. *Cell reports*, 34(11), 108845.

Richardson SE, et al. (2021) In vitro differentiation of human pluripotent stem cells into the B lineage using OP9-MS5 co-culture. *STAR protocols*, 2(2), 100420.

Ranzoni AM, et al. (2021) Integrative Single-Cell RNA-Seq and ATAC-Seq Analysis of Human Developmental Hematopoiesis. *Cell stem cell*, 28(3), 472.

Ombrato L, et al. (2021) Generation of neighbor-labeling cells to study intercellular interactions in vivo. *Nature protocols*, 16(2), 872.

Zinngrebe J, et al. (2020) Biomarker profile for prediction of response to SMAC mimetic monotherapy in pediatric precursor B-cell acute lymphoblastic leukemia. *International journal of cancer*, 146(11), 3219.

Gillespie MA, et al. (2020) Absolute Quantification of Transcription Factors Reveals Principles of Gene Regulation in Erythropoiesis. *Molecular cell*, 78(5), 960.