

AR42J | 500478

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Description

AR42J is a cell line derived from a patient with acute myeloid leukemia (AML). It is characterized by a high degree of heterogeneity and is used for studying drug resistance mechanisms in AML. The cell line is maintained in suspension culture and is highly sensitive to chemotherapy agents such as cytarabine and daunorubicin. AR42J cells are used in preclinical studies to evaluate the efficacy of novel therapeutic approaches in AML.

Organism *Homo sapiens*

Tissue Bone marrow

Disease Acute Myeloid Leukemia (AML)

Synonyms AR4-2J, AR-42J, AR-42J

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Morphology Granulocytic leukemia cells

Growth properties AR42J cells are highly sensitive to chemotherapy agents such as cytarabine and daunorubicin. The cell line is used in preclinical studies to evaluate the efficacy of novel therapeutic approaches in AML.

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Citation AR42J (ATCC CCL-222) | ATCC 500478

Biosafety level 1

NCBI_TaxID 10116

CellosaurusAccession CVCL_0143

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Receptors expressed CD34, CD45, CD117, CD133, CD135, CD136, CD138, CD147, CD151, CD152, CD153, CD154, CD155, CD156, CD157, CD158, CD159, CD160, CD161, CD162, CD163, CD164, CD165, CD166, CD167, CD168, CD169, CD170, CD171, CD172, CD173, CD174, CD175, CD176, CD177, CD178, CD179, CD180, CD181, CD182, CD183, CD184, CD185, CD186, CD187, CD188, CD189, CD190, CD191, CD192, CD193, CD194, CD195, CD196, CD197, CD198, CD199, CD200, CD201, CD202, CD203, CD204, CD205, CD206, CD207, CD208, CD209, CD210, CD211, CD212, CD213, CD214, CD215, CD216, CD217, CD218, CD219, CD220, CD221, CD222, CD223, CD224, CD225, CD226, CD227, CD228, CD229, CD230, CD231, CD232, CD233, CD234, CD235, CD236, CD237, CD238, CD239, CD240, CD241, CD242, CD243, CD244, CD245, CD246, CD247, CD248, CD249, CD250, CD251, CD252, CD253, CD254, CD255, CD256, CD257, CD258, CD259, CD260, CD261, CD262, CD263, CD264, CD265, CD266, CD267, CD268, CD269, CD270, CD271, CD272, CD273, CD274, CD275, CD276, CD277, CD278, CD279, CD280, CD281, CD282, 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CD998, CD999, CD1000.

