

Mono-Mac-6

Cat. No. ARC1033, 1×10^6 cells/vial

Description

Mono-Mac-6 is a human monocytic cell line derived from peripheral blood of a patient with Acute monoblastic leukemia (AML, M5). Once isolated, these cells showed characteristics of monocytic cell line on the basis of morphology, cytochemical and immunological criteria. Mono-Mac-6 cells resemble mature monocytes more closely than other monocytic cell lines, like THP-1 and U937. Cultured in vitro, Mono-Mac-6 are round cells growing in small clusters and in suspension. They are widely used in study of monocyte differentiation and activation, research on cytokine production and immune signaling, such as LPS response and TLR pathway.

Specification

Cell Type: Cancer cell line
Tissue/Organ: Blood (peripheral blood)
Derived from Site: In situ; Peripheral blood
Disease: Acute monoblastic/monocytic leukemia
Species: Homo sapiens (Human)
Genetic Background: Caucasian
Sex of Donor: Male
Age: 64 years

Shipping & Storage

Shipping condition: Frozen on dry ice.
Storage condition: Liquid nitrogen (LN₂) cryopreservation.

Intended Use

This product is intended for laboratory in vitro use only. It is not intended for diagnostic, therapeutic, or clinical applications.



Culturing Guidance

Morphology: Round/multiformed cells

Growth Mode: Suspension

Temperature: 37°C

Atmosphere: 5% CO₂

Unpacking and Storage Instructions

1. Visually inspect all packaging components for integrity and verify adequate dry ice.
If any damage is observed, notify Ascent Technical Support immediately.
2. Prioritize transfer to liquid nitrogen vapor phase storage system (-130°C or below).
Secondary option: -80°C mechanical freezer (short-term storage only).
Always maintain temperature strictly below -65°C.

Disclaimer

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