

Rat Lymphatic Endothelial Cells

Cat. No. ARP0352, 5×10^5 cells/vial

Description

Research on the Rat Lymphatic Endothelial Cells is essential to the study of chronic inflammation and cancers, lymphatic vessel dysfunction, tumor metastasis through lymphatics, lymphedema, lymphatic malformations, and inflammatory lymphangiogenesis. Lymph nodes are bean-shaped organs of the lymphatic system, distributed throughout the body but clustered in the neck, armpits, and groin. They consist of a capsule, cortex, and medulla, and contain a large number of lymphocytes. Lymph nodes are important parts of the human immune system, with their primary functions being to filter lymphatic fluid, remove pathogens, and activate immune cells to fight infections. The Rat Lymphatic Endothelial Cells are to be used with Rat Lymphatic Endothelial Cell Medium (Cat. No. ACM0352). This product is intended for laboratory in vitro use only. It is not intended for diagnostic, therapeutic, or clinical applications.

Specification

Cell Type: Endothelial Cells

Tissue/Organ: Lymph node

Disease: Normal

Species: *Rattus norvegicus* (Rat)

Genetic Background: N/A

Markers: Vascular Endothelial Growth Factor Receptor-3 (VEGFR-3)

Symbols: RLEC

Shipping & Storage

Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN₂) cryopreservation.

Intended Use

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Culturing Guidance

Morphology: Cobblestone-like, Irregular

Growth Mode: Adherent

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

Ascent Research endeavors to provide accurate and up-to-date product information. However, no warranties or representations are made regarding its completeness or reliability. References to scientific literature and patents are for informational purposes only, and the customer assumes sole responsibility for verifying their accuracy.

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