www.ascentresearch.com
+1-202-949-4794
info@ascentresearch.com

Rat Pulmonary Artery Endothelial Cells

Cat. No. ARP0177, 5×10⁵ cells/vial

Description

Research on the Rat Pulmonary Artery Endothelial Cells is essential to the study of acute lung injury, pulmonary hypertension, pulmonary edema, pulmonary embolism, pulmonary artery aneurysm and chronic obstructive pulmonary disease. The lungs are the central organs of the human respiratory system, responsible for gas exchange, delivering oxygen to the blood while removing waste (carbon dioxide). They are a pair of spongy, pinkish-gray organs located in the chest, with their surfaces covered by the pleura. The lungs are connected to the trachea through the bronchi, and their interiors are filled with alveoli, which provide a large surface area for efficient gas exchange during respiration. The Rat Pulmonary Artery Endothelial Cells are to be used with Rat Pulmonary Artery Endothelial Cell Medium (Cat. No. ACM0177). 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: Lung

Disease: Normal

Species: Rattus norvegicus (Rat)

Genetic Background: N/A

Markers: CD31, vWF

Symbols: RPAEC

Shipping & Storage

Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN_2) 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: Epithelial-like, Polygonal

Growth Mode: Adherent

Temperature: 37°C

Atmosphere: 5% CO_2

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.

By accepting this product, the customer acknowledges and agrees to assume all risks associated with its receipt, handling, storage, disposal, and use, including compliance with all applicable safety and environmental regulations and precautions. Relevant laws, regulations, and ethical guidelines must be followed in conducting any research, modifications, or derivatives derived from this product.

This product is provided "AS IS", and except as expressly stated herein, Ascent Research disclaims all other warranties, express or implied. Under no circumstances shall Ascent Research, its affiliates, or representatives be liable for indirect, incidental, consequential, or punitive damages arising from the use of this material. While Ascent Research employs rigorous quality control measures, we shall not be held responsible for damages resulting from misidentification or misinterpretation of the provided materials.

Copyrights

This document was last updated on June 20, 2025.