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Mouse Renal Artery Endothelial Cells

Cat. No. ARP0458, 5×10⁵ cells/vial

Description

Research on the Mouse Renal Artery Endothelial Cells is essential to the study of endothelial dysfunction in salt-sensitive hypertension and ischemia-reperfusion injury models. The kidneys are two bean-shaped organs responsible for the excretion and regulation of the body's fluids. Its primary functions are filtering blood, removing waste, and excess water to produce urine. Common disorders include nephritis, kidney stones, and kidney failure. The Mouse Renal Artery Endothelial Cells are to be used with Mouse Renal Artery Endothelial Cell Medium (Cat. No. ACM0458). 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: Kidney

Disease: Normal

Species: Mus musculus (Mouse)

Genetic Background: N/A

Markers: von Willebrand Factor (vWF)

Symbols: MRAEC

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: 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

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