

# Mouse Carotid Artery Endothelial Cells

Cat. No. ARP0440,  $5 \times 10^5$  cells/vial

## Description

Research on the Mouse Carotid Artery Endothelial Cells is essential to the study of atherosclerosis models, carotid intimal hyperplasia, endothelial dysfunction in hypertension, and ischemia-reperfusion injury studies. The carotid arteries are a pair of blood vessels, one on each side of the neck. They supply blood to the brain, face, and neck. The Mouse Carotid Artery Endothelial Cells are to be used with Mouse Carotid Artery Endothelial Cell Medium (Cat. No. ACM0440). 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: Artery (carotid artery)

Disease: Normal

Species: Mus musculus (Mouse)

Genetic Background: N/A

Markers: CD31, vWF

Symbols: MCAEC

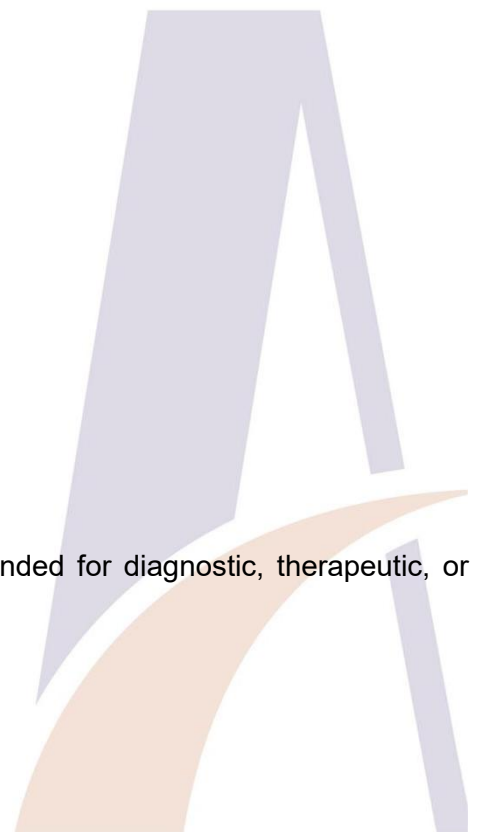
## Shipping & Storage

Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN<sub>2</sub>) cryopreservation.

## Intended Use

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## Culturing Guidance

Morphology: Epithelial-like, Polygonal

Growth Mode: Adherent

Temperature: 37°C

Atmosphere: 5% CO<sub>2</sub>

## 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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