

# Rat Carotid Artery Endothelial Cells

Cat. No. ARP0197,  $5 \times 10^5$  cells/vial

## Description

Research on the Rat 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 Rat Carotid Artery Endothelial Cells are to be used with Rat Carotid Artery Endothelial Cell Medium (Cat. No. ACM0197). This product is intended for laboratory in vitro use only. It is not intended for diagnostic, therapeutic, or clinical applications.

## Specification

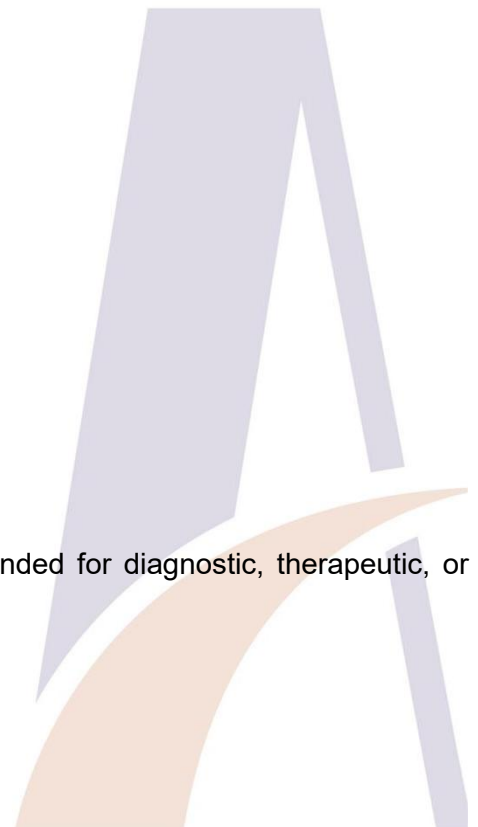
Cell Type: Endothelial Cells  
Tissue/Organ: Artery (carotid artery)  
Disease: Normal  
Species: Rattus norvegicus (Rat)  
Genetic Background: N/A  
Markers: CD31, vWF  
Symbols: RCAEC

## 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

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This document was last updated on June 20, 2025.