

# Human Type II Alveolar Epithelial Cells

Cat. No. ARP1007,  $5 \times 10^5$  cells/vial

## Description

Pulmonary Alveolar Epithelial Cells, comprise alveolar type I cell (type I pneumocyte) and alveolar type II cell (type II pneumocyte), which are two main cell types in the alveolar epithelium. Type II Alveolar Epithelial Cells, also known as alveolar type II cell or type II pneumocyte, account for 5% of the alveolar surface area, can produce surfactant, differentiate into alveolar type I cells and restore the epithelium.

## Specification

Cell Type: Epithelial cell

Tissue/Organ: Lung

Disease: Normal

Species: Homo sapiens (Human)

Genetic Background: N/A

Markers: Pulmonary Surfactant Protein A (SP-A)

Symbols: N/A

## Shipping & Storage

Shipping condition: Frozen on dry ice.

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

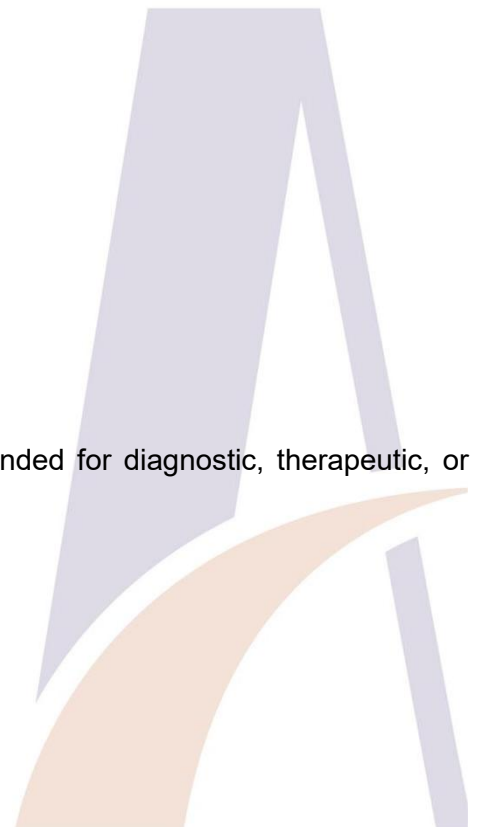
## Intended Use

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

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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