

# Mouse Intestinal Myofibroblasts

Cat. No. ARP0492,  $5 \times 10^5$  cells/vial

## Description

Research on the Mouse Intestinal Myofibroblasts is essential to the study of stricture formation in chronic colitis, desmoid tumor stroma, and TGF- $\beta$  1-mediated fibrotic signaling. The intestine, also known as the bowel, is a long, muscular tube that extend from the stomach to the anus. It plays a crucial role in the digestive system, with its primary functions being food digestion and nutrient absorption. The intestine is divided into two main sections: the small intestine and the large intestine, each contributing to different stages of digestion and waste processing. The Mouse Intestinal Myofibroblasts are to be used with Mouse Intestinal MyoFibroblast Medium (Cat. No. ACM0492). This product is intended for laboratory in vitro use only. It is not intended for diagnostic, therapeutic, or clinical applications.

## Specification

Cell Type: Fibroblasts

Tissue/Organ: Intestine

Disease: Intestinal Fibrosis

Species: Mus musculus (Mouse)

Genetic Background: N/A

Markers:  $\alpha$ -Smooth Muscle Actin ( $\alpha$ -SMA)

Symbols: MIM

## 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: Fusiform, Irregular

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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