www.ascentresearch.com
+1-202-949-4794
info@ascentresearch.com

Mouse Prostate Perivascular Cells

Cat. No. ARP0514, 5×10⁵ cells/vial

Description

Research on the Mouse Prostatic Perivascular Cells is essential to the study of prostate cancer angiogenesis, benign prostatic hyperplasia stromal interactions, and perivascular niche studies. The prostate is a gland of the male reproductive system, composed of both muscle and gland tissue. It is located below the bladder, in front of the rectum, and surrounding the urethra. The gland tissue of the prostate releases additional fluid to help nourish sperm cells and lubricate the urethra. While the muscle drives a mechanical switch between urination and ejaculation. The Mouse Prostatic Perivascular Cells are to be used with Mouse Prostate Perivascular Cell Medium (Cat. No. ACM0514). This product is intended for laboratory in vitro use only. It is not intended for diagnostic, therapeutic, or clinical applications.

Specification

Cell Type: N/A

Tissue/Organ: Prostate

Disease: Normal

Species: Mus musculus (Mouse)

Genetic Background: N/A

Markers: α-Smooth Muscle Actin (α-SMA)

Symbols: MPPC

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: Elongated fusiform, Irregular

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

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.

By accepting this product, the customer acknowledges and agrees to assume all risks associated with its receipt, handling, storage, disposal, and use, including compliance with all applicable safety and environmental regulations and precautions. Relevant laws, regulations, and ethical guidelines must be followed in conducting any research, modifications, or derivatives derived from this product.

This product is provided "AS IS", and except as expressly stated herein, Ascent Research disclaims all other warranties, express or implied. Under no circumstances shall Ascent Research, its affiliates, or representatives be liable for indirect, incidental, consequential, or punitive damages arising from the use of this material. While Ascent Research employs rigorous quality control measures, we shall not be held responsible for damages resulting from misidentification or misinterpretation of the provided materials.

Copyrights

© 2025 Ascent Research. All rights reserved.

This document was last updated on June 20, 2025.