

Rat Brain Cortex Astrocytes from Sprague-Dawley Rat

Cat. No. ARP1204, 1 million cells/vial

Description

Rat brain cortex astrocytes from Sprague-Dawley rat are freshly isolated from normal cortical tissue of SD Rats. Astrocytes are star-shaped glial cells found in the brain and spinal cord. They play essential roles in maintaining central nervous system (CNS) function, including contributing to the formation and integrity of the blood-brain barrier, providing metabolic support to neurons, and regulating extracellular ion balance.

Specification

Cell Type: Glial cell

Tissue/Organ: Brain

Disease: Normal

Species: *Rattus norvegicus* (Rat)

Genetic Background: Sprague-Dawley Rat

Markers: Glial Fibrillary Acidic Protein (GFAP)

Shipping & Storage

Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN₂) cryopreservation.

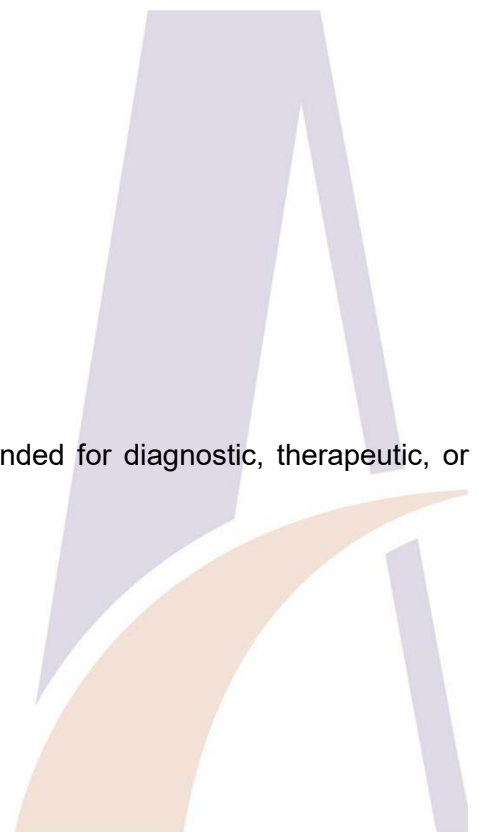
Intended Use

This product is intended for laboratory in vitro use only. It is not intended for diagnostic, therapeutic, or clinical applications.

Culturing Guidance

Morphology: N/A

Growth Mode: Adherent



Temperature: 37°C

Atmosphere: 5% CO₂

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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