

HUMAN iPSC- DERIVED ALVEOLAR EPITHELIAL CELLS

Catalog Number: AEC2-hm

Product description:

Alveolar type 2 cells play a vital role in ion transport and epithelium repair. They also help in defense and immune response against microbes by presenting antigen to specific T cells. AEC2 cells release surfactant proteins and secrete chemokines/ cytokines. AEC2-hm are derived from induced pluripotent stem cell, where IPSC undergo multistage differentiation to form AEC2.

Characterization: Staining for NK2 homeobox 1 (marker for lung differentiation lineage)

Staining for Surfactant protein C (marker for Alveolar Type 2 cells)

Specifications:

Tissue	Healthy human alveolar epithelial tissue
Cell line type	iPSC derived alveolar epithelial cells
Description	Human iPSC derived alveolar epithelial cells
Material size	0.5 x10 ⁵ cells/vial
Application	Promising model for respiratory disease and drug discovery assays.
Storage conditions	Cryopreserved vials: store in liquid nitrogen immediately after receiving.
Product use	This product is for research use only.
Shipping	Dry ice
QC	Tested negative for bacteria, fungi, yeast. Tested negative for mycoplasma, endotoxin. Tested negative for Hepatitis A, B, C and HIV 1 and 2 viruses.

Note: Refer to Instruction for Use provided along product to follow the protocol.

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