

C57BL/6 Mouse Primary Alveolar Epithelial Cells

Catalog No. C57-6053

Suggested Medium

M6621 Epithelial Cell Medium /w Kit – 500 ml

Product Description

C57BL/6 Mouse Primary Alveolar Epithelial Cells from Cell Biologics are isolated from lung tissues of pathogen-free laboratory mice and then grown in gelatin pre-coated tissue culture flask with Cell Biologics' Complete Growth Medium. The cells at passage 2-3 are harvested from flasks and cryo-preserved in vials. Each vial contains 0.5×10^6 cells per ml and is delivered frozen. These primary epithelial cells are isolated using an optimized Cell Biologics methods based on established references. These cells are pre-coated with EpCAM-1 (CD326) antibody, followed by the application of magnetic beads pre-coated with secondary antibody.

Product Testing

C57BL/6 Mouse Primary Alveolar Epithelial Cells are characterized by immunofluorescent staining with E-cadherin (Catalog 610182, BD), ZO-1 (Catalog 617300, Life Technology) antibodies or Supernatant (T1 alpha). T1 alpha was identified by a monoclonal antibody previously shown to be specific for an antigen expressed by alveolar epithelial type I cells. These cells are negative for bacteria, yeast, fungi, and mycoplasma. Cells can be expanded for 2-3 passages at a split ratio of 1:2 under the cell culture conditions specified by Cell Biologics. Repeated freezing and thawing of cells is not recommended.

Laboratory Applications

C57BL/6 Mouse Primary Alveolar Epithelial Cells can be used for the assay of cell-cell interaction, adhesion, PCR, Western blot, immunoprecipitation, immunofluorescent flow cytometry, or generating cell derivatives for desired research applications.

Storage

Cells are shipped with dry ice overnight. Upon arrival, immediately transfer frozen cells to liquid nitrogen (-180 °C) until ready for use. Live cell shipment is also available on request. Primary cells can never be kept at -20 °C or -80 °C freezer.

Authorized Uses of Cell Biologics' Products

C57BL/6 Mouse Primary Alveolar Epithelial Cells from Cell Biologics are distributed for research purposes only. Our products are not authorized for human use, for in vitro diagnostic or therapeutic procedures. Transfer or resale of any Cell Biologics' cells or products from the purchaser to other markets, organizations or individuals is prohibited by Cell Biologics without the company's written consent. Cell Biologics' Terms and Conditions must be accepted before submitting an order.

Disclaimer

Although C57BL/6 Mouse Primary Alveolar Epithelial Cells are isolated from laboratory mice testing pathogen-free, investigators should handle the cells with caution and treat all animal cells as potential pathogens, since no test procedure can completely guarantee the absence of infectious agents.

Warranty and Liability

Cell Biologics' guarantee applies only to your purchase of Cell Biologics' cells with Cell Biologics' Media and Coating Solution for appropriate cell culture and cell testing following Cell Biologics' online protocols within 35 days from the date of product delivery.