

Mouse Tumor-Associated Endothelial Cells (Human Prostate Cancer Origin, MTCOEC.H)

Catalog No. MC-6203h

Suggested Medium

M1168 Complete Human Endothelial Cell Medium w/ Kit – 500 ml

Product Description

Mouse Tumor-Associated Endothelial Cells (Human Colon Cancer Origin, MTCOEC.H) from Cell Biologics were isolated from pathogen-free laboratory nude mice. MTCOEC.H were isolated from human xenograft of pathogen-free laboratory nude mice. Human colon adenocarcinoma epithelial cells (HCT116) were subcutaneously injected into the nude mice for 4-6 weeks and the tumor tissues were then harvested for cell culture. MTCOEC.H were cultured in a T25 tissue culture flask pre-coated with gelatin-based coating solution for 2 min and incubated in Cell Biologics' Culture Complete Growth Medium generally for 14-35 days. Cells at passage 3 are harvested and each vial contains 0.5×10^6 cells per ml. MTCOEC.H are characterized by use of fluorescence-labeled acetylated low-density lipoprotein (Dil-Ac-LDL) uptake (Catalog No. L-35353, Invitrogen), a functional marker for endothelial cells. These cells are negative for bacteria, yeast, fungi, and mycoplasma and can be expanded for 3-5 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

MTCOEC.H can be used in assays of cell-cell adhesion, migration, vascular tube formation, or transendothelial resistance (TER). Standard biochemical procedures performed with endothelial cell cultures include RT-PCR, Western blotting, immunoprecipitation, immunofluorescent staining, immunofluorescence flow cytometry or generating cell derivatives for desired research applications.

Storage

Cryopreserved cells are shipped with dry ice overnight. Upon arrival, transfer frozen cells to liquid nitrogen (-180°C) immediately 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

MTCOEC.H 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

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.