CD1 Mouse Lung Macrophages (Frozen Cells)
Catalog No. CD-2313F

Suggested Medium: Macrophage Medium /w Kit (500 ml)
Catalog No. M3368

Product Description

CD1 Mouse Lung Macrophages are isolated from the lung of pathogen-free laboratory adult mice. Cells at passage 0 are cryo-preserved in vials. Each vial contains $0.5x10^6$ cells and is delivered frozen. Cells are negative for bacteria, yeast, fungi, and mycoplasma and tested for expression of markers using antibody, CD11b by flow cytometry. Cells can be expanded on a multiwell culture plate ready for experiments under the cell culture conditions specified by Cell Biologics. Repeated freezing and thawing of cells is not recommended.

Laboratory Applications

CD1 Mouse Lung Macrophages can be used in standard biochemical procedures include PCR, Western blotting, immunoprecipitation, ROS, or cell derivatives for desired research applications.

Storage of Cell Biologics Products

Cell Biologics will ship frozen cells on dry ice. On receipt, immediately transfer frozen cells to liquid nitrogen until ready for experimental use. Live-cell shipment is also available on request. Primary cells can never be kept at -20 °C.

Authorized Uses of Cell Biologics' Products

CD1 Mouse Lung Macrophages from Cell Biologics are distributed for internal research purposes only. Our products are not authorized for human use, for in vitro diagnostic procedures or for 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 that they receive from Cell Biologics with caution and treat all 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.

Primary Cell Culture Protocol

All cell culture procedures must be conducted in a bio-safety cabinet.
Any and all media, supplements, and reagents must be sterilized by filtration through a 0.2 µm filter.
Use aseptic technique to prevent microbial contamination.
Cryo-preserved cells must be stored in liquid nitrogen or seeded immediately upon arrival.

Medium

Review the information provided on the *Cell Biologics* website about appropriate culture media (e.g. serum and other supplements). Use pre-warmed (37°C) cell culture media (30-50 ML, Catalog No. M3368, *Cell Biologics*) to recover cryo-preserved cells and when changing media or splitting cells.

Cell recovery from cryovial

- Quickly thaw cells in cryo-vial by incubating them in a 37°C water bath for <1 min until there is just a small bit of ice left in the vial.
- Promptly remove the vial and wipe it down with 70% ethanol.
- Transfer cells from the vial to a sterile centrifuge tube. Add 6-8 ml of pre-warmed *Cell Biologics* Cell Culture Medium.
- Flush the vial with an additional 0.5-1 ml of medium to ensure complete transfer of cells to the centrifuge tube.
- Centrifuge cells at 120 g for 5 minutes.
- Aspirate the supernatant and resuspend the cell pellet in 6 ml of *Cell Biologics'* Cell Culture Growth medium.
- Add resuspended cells into a plate (tissue culture treated)

Recommended Cell Seeding

- ~0.8 million cells are seeded per well of a 12-well plate or ~1.5 million macrophages are seeded per well of a 6-well plate.
- Place a plate in a humidified, 5%-CO_2 incubator at 37°C until experiments.
- Change fresh cell culture medium next day and every 24-48 hours.
- Cells should be checked daily under a microscopy to verify appropriate cell morphology.

Note

- Please send us the cell images (>90% confluence) if you have any question or problem with cultured cells.