

## **C57BL/6 Mouse Bone Marrow Dendritic Cells**

Catalog No. N-6200

### **Suggested Medium**

M7711 Complete Dendritic Cell Medium w/ Kit (500 ml)

### **Product Description**

C57BL/6 Mouse Bone Marrow Dendritic Cells from Cell Biologics are isolated from New Zealand white rabbit tibias and femurs. Cells at passage 0 are cryo-preserved at a density of  $2 \times 10^6$  cells/mL per vial. Cells are characterized by immunofluorescence staining with antibody of CD11c and can be used for designed experiments under the cell culture conditions specified by Cell Biologics. These cells do not proliferate in culture and cannot be passaged.

### **Storage**

Cryopreserved cells will be shipped overnight on dry ice. Upon arrival, please immediately transfer the frozen cells to liquid nitrogen ( $-180^{\circ}\text{C}$ ) until ready for use. Suspension cells can be shipped in 50 ml conical tubes upon request. Primary cells should never be stored at  $-20^{\circ}\text{C}$  or  $-80^{\circ}\text{C}$ .

### **Authorized Uses of Cell Biologics' Products**

C57BL/6 Mouse Bone Marrow Dendritic 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**

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.

## Primary Cell Culture Protocol

All cell culture procedures must be conducted in a biosafety 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:** Use pre-warmed (37°C) cell culture media of Catalog No. M7711 (30-50 ML) to recover cryopreserved 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 8-10 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 200 x g for 5 minutes.
- Aspirate the supernatant and resuspend the cell pellet in Cell Biologics' Cell Culture Growth medium.
- Proceed with designed experiments.