11 Park Drive, Suite 12
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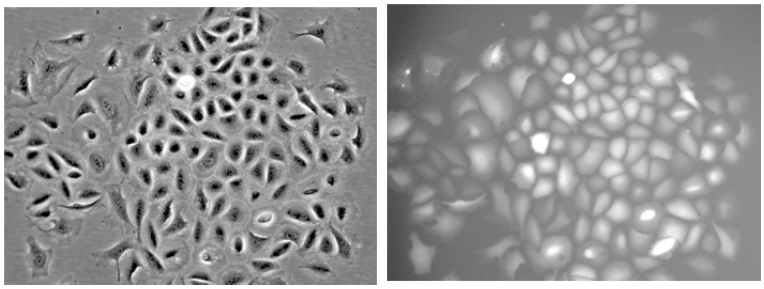
GFP-Expressing Mouse Aortic Endothelial Cells

ORDER INFORMATION

Name of Cells: GFP-Mouse Aortic Endothelial Cells **(GFP-MAECs)**
Catalogue Number: **cAP-m0001-GFP**
Product Format: Proliferating culture
Cell Number: > 90% confluent in T25 flask

General Information: Puromycin resistant **GFP-MAECs** were selected from GFP-expressing lentiviral particle transfected mAECs (**cAP-m0001**). The cells are shipped in proliferating culture with >90 confluence (the cells are provided @ passage 6). DMEM containing 20% FBS is recommended for cell culture and these cells have an average additional population doubling levels > **40** when cultured following the detailed protocol described below).



Representative images of GFP-MAECs (Left panel: phase contrast image; Right panel: GFP image)

Characterization of the cells
Angiotensin converting enzyme: **>95% positive by immunofluorescence**
Cytoplasmic uptake of Di-I-Ac-LDL: **>95% positive by immunofluorescence**
GFP-MAECs are negative for mycoplasma.

Product Use: **GFP**-MAECs are for research use only.

Shipping: Proliferating culture in T25 flask.

Handling of Arriving Cells
When you receive the cells, leave the flask in 37°C CO2 incubator for 1 hour first, and then replace the transport medium with fresh DMEM medium containing 20% FBS. Let the cells to grow for 24 hour before subculture.

1. Subculture Protocol:
A) Rinse the cells in T25 flask with 5ml DPBS (**Room Temperature, RT**) twice.

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B) Add 2ml of Trypsin/EDTA (**RT**) (Invitrogen Catalogue number: 25300-062) into T25 flask (make sure the whole surface of the T25 flask is covered with Trypsin/EDTA), and gently dispose the Trpsin/EDTA solution **within 10 seconds** with aspiration.
C) Leave the T25 flask with the cells at **RT** for 1-2 minute (the cells will normally come off the surface within 1 minute).
D) Suspend the cells with 20ml of DMEM containing 20% FBS and the cell suspension is transferred directly into 4 T25 flasks (5ml each, and the cells are subcultured at 1:4 ratio)

2. Cell culture protocol (proliferating):

A) Culture medium (DMEM containing 20% FBS) is changed every other day.
B) The cells normally become confluent within 5-6 days (when split at a 1:4 ratio).