

MC38-EpCAM cells were generated from the C57BL/6 mouse colon cancer cell line MC38 by transduction with replication-defective lentivirus encoding human EpCAM. Surface expression of EpCAM was confirmed by flow cytometry (Figure 1).

Storage
Store vial in liquid nitrogen immediately upon receipt.
Formulation
Cells are cryopreserved in 0.5 ml - 1 ml of 90% FBS + 10% DMSO.
Thaw Protocol
Partially immerse the vial in a 37°C water bath with gentle shaking until most of the medium is thawed. In a tissue culture hood, add 1 ml of pre-warmed culture medium into the vial and immediately transfer the contents of the vial to a centrifuge tube containing 5-10 ml of pre-warmed culture medium. Centrifuge the tube at room temperature for 5 minutes, aspirate the supernatant and suspend the cell pellet in 5-10 ml of pre-warmed culture medium.
Culture Protocol
MC38-EpCAM is an adherent cell line. Culture the cells in DMEM containing 10% FBS using a humidified incubator set to 5% CO ₂ . When the cell monolayer is nearly confluent, use trypsin-EDTA to detach the cells from the culture flask and immediately neutralize the trypsin by adding fresh, pre-warmed culture medium to the cells. Cells should be passaged at least twice per week.
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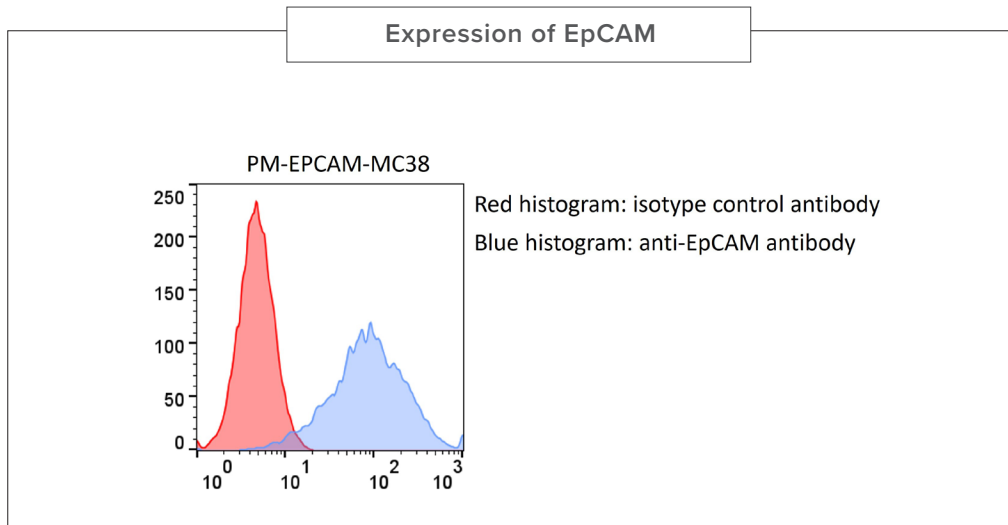


Figure 1. PM-EPCAM-MC38 cells were stained with an antibody specific for EPCAM and an isotype control antibody. The EPCAM antibody bound to the PM-EPCAM-MC38 cells.

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