

MC38-HER2 cells were generated from the C57BL/6 mouse colon cancer cell line MC38 by transduction with replication-defective lentivirus encoding human HER2. Surface expression of HER2 was confirmed by flow cytometry (Figure 1).

<b>Storage</b>
Store vial in liquid nitrogen immediately upon receipt.
<b>Formulation</b>
Cells are cryopreserved in 0.5 ml - 1 ml of 90% FBS + 10% DMSO.
<b>Thaw Protocol</b>
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.
<b>Culture Protocol</b>
MC38-HER2 is an adherent cell line. Culture the cells in DMEM containing 10% FBS using a humidified incubator set to 5% CO <sub>2</sub> . 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.
<b>Notices &amp; Disclaimer</b>
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📍 2600 Hilltop Dr, Building B, Richmond, CA 94806  
☎ 1.866.339.0871 | ✉ [info@promab.com](mailto:info@promab.com)  
📞 510.740.3625 | ✉ [customerservice@promab.com](mailto:customerservice@promab.com)



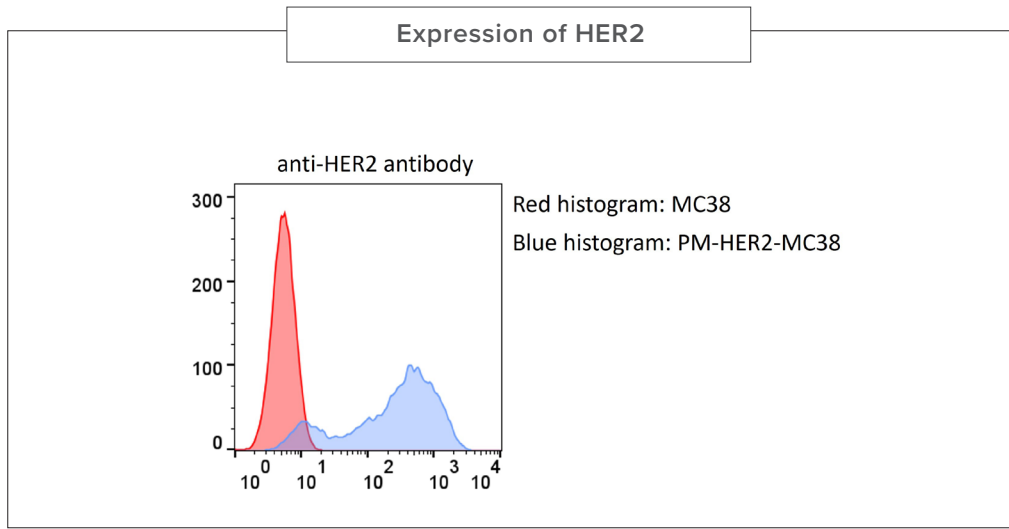


Figure 1. PM-HER2-MC38 cells and parental MC38 cells were stained with an antibody specific for HER2. The HER2 antibody bound to PM-HER2-MC38 cells but not to MC38 cells.

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☎ 1.866.339.0871 | ✉ [info@promab.com](mailto:info@promab.com)  
☎ 510.740.3625 | ✉ [customerservice@promab.com](mailto:customerservice@promab.com)

