4T1-HER2 cells were generated from the BALB/c mouse breast cancer cell line 4T1 by transduction with replication-defective lentivirus encoding human HER2. Surface expression of HER2 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

4T1-HER2 is an adherent cell line. Culture the cells in RPMI-1640 medium containing 10% FBS using a humidified incubator set to 5% CO2. 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.

Notices & Disclaimer

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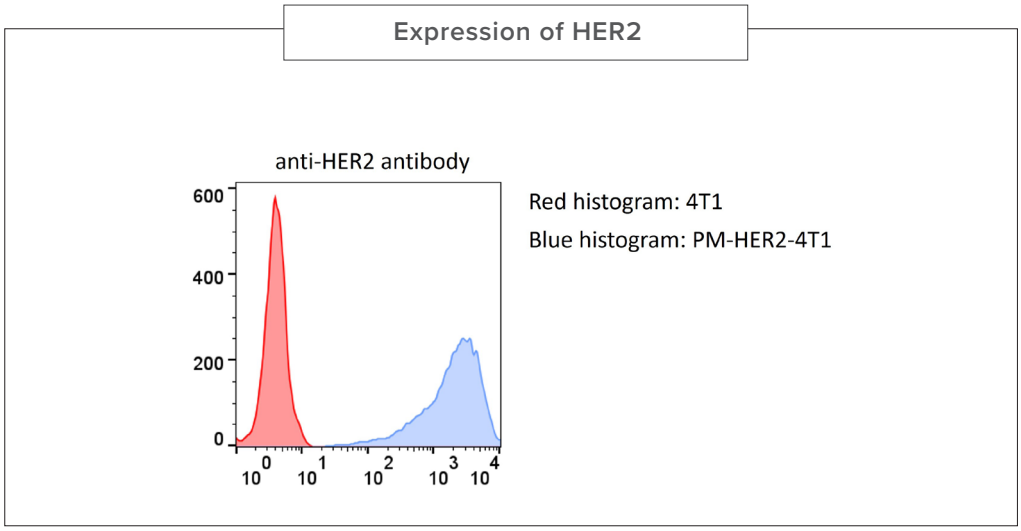

Figure 1. PM-HER2-4T1 cells and parental 4T1 cells were stained with an antibody specific for HER2. The HER2 antibody bound to PM-HER2-4T1 cells but not to 4T1 cells.

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