HeLa-BCMA-GFP cells were generated from the human cervical cancer cell line HeLa by transduction with replication-defective lentivirus encoding human B Cell Maturation Antigen (BCMA) and eGFP. Expression of BCMA (Figure 1) and eGFP (Figure 2) were confirmed by flow cytometry.

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

HeLa-BCMA-GFP is an adherent cell line. Culture the cells in DMEM 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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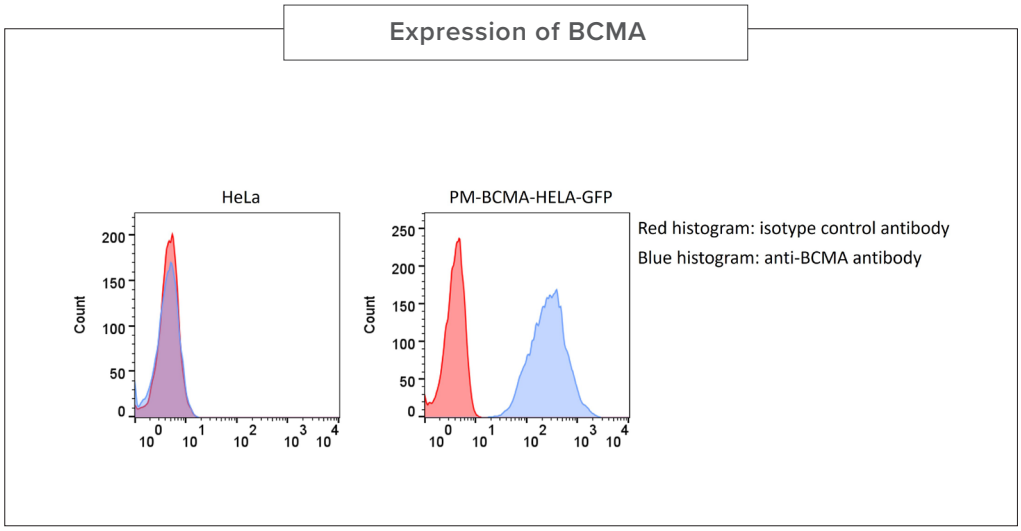

Figure 1. PM-BCMA-HELA-GFP cells and parental HeLa cells were stained with an antibody specific for BCMA and an isotype control antibody. The BCMA antibody bound to PM-BCMA-HELA-GFP cells but not to HeLa cells.

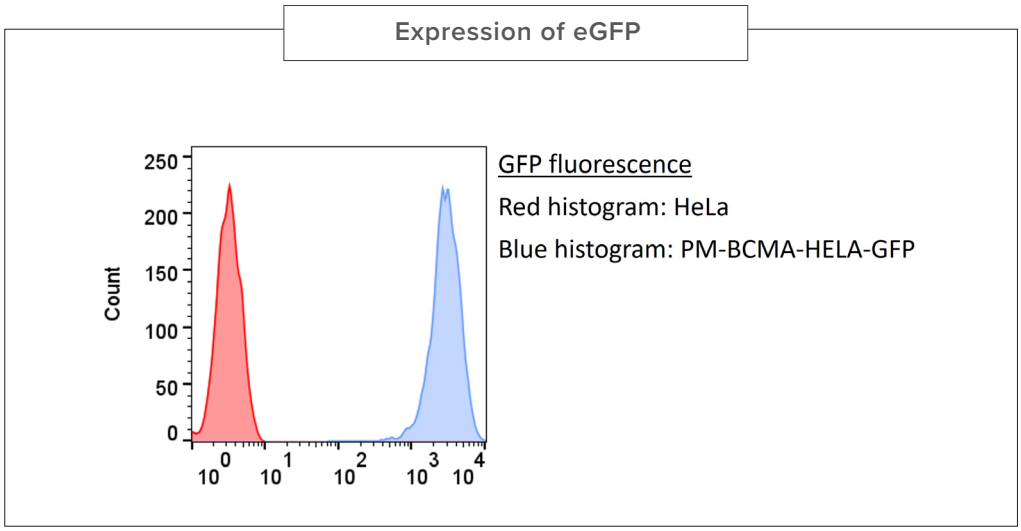

Figure 2. PM-BCMA-HELA-GFP cells and parental HeLa cells were analyzed for GFP fluorescence by flow cytometry. Only the PM-BCMA-HELA-GFP cells were fluorescent.

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