K562-BCMA-GFP cells were generated from the human chronic myelogenous leukemia cell line K562 by transduction with replication-defective lentivirus encoding human B Cell Maturation Antigen (BCMA) and eGFP. Expression of BCMA and eGFP were 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

K562-BCMA-GFP is a cell line that grows in suspension. Culture the cells in RPMI-1640 medium containing 10% FBS using a humidified incubator set to 5% CO2. When the culture has reached a density of 2 million cells per ml, add a 10-fold volume of fresh, pre-warmed culture medium to the cells.

Notices & Disclaimer

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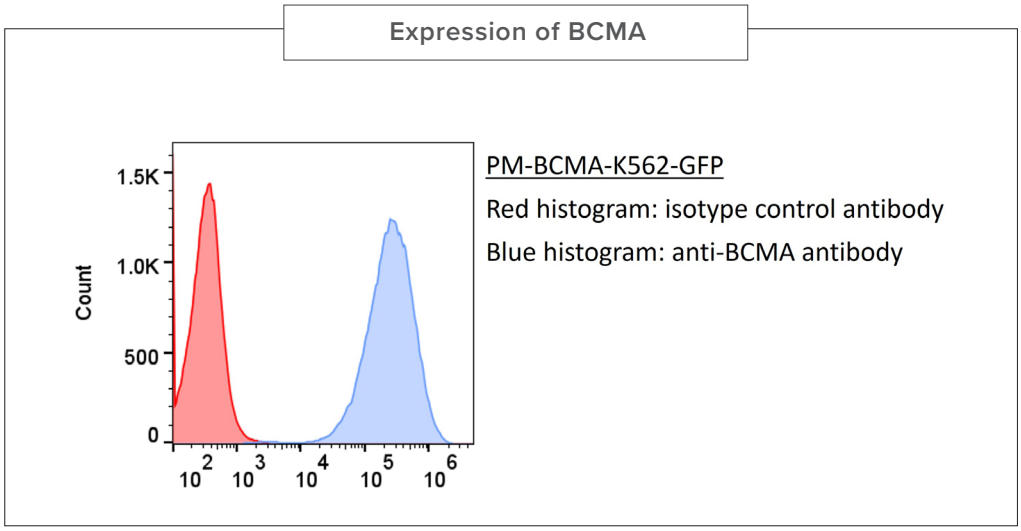

Figure 1. PM-BCMA-K562-GFP cells were stained with an antibody specific for BCMA and an isotype control antibody. The BCMA antibody bound to the PM-BCMA-K562-GFP cells.

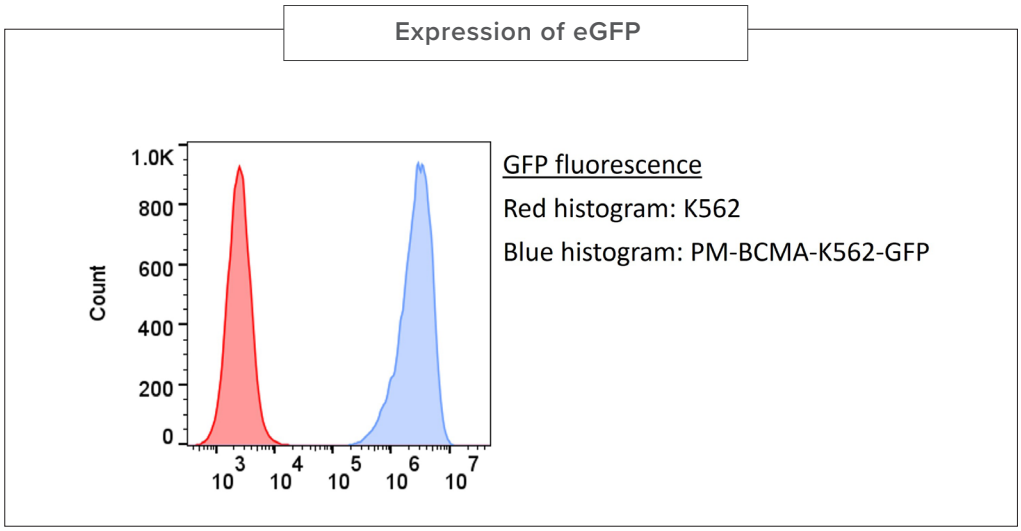

Figure 2. PM-BCMA-K562-GFP cells and parental K562 cells were analyzed for GFP fluorescence by flow cytometry. Only the PM-BCMA-K562-GFP cells were fluorescent.

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