



The CHO (Chinese hamster ovary) cell line is an epithelial cell line derived from the ovary of the Chinese hamster. This CHO cell line stably overexpresses BCMA antigen. This cell line is convenient for assays with CAR-T cells to measure specific cytotoxicity targeting BCMA antigen, which is overexpressed in multiple myeloma cancer cells. ProMab offers three CHO-BCMA cell lines that stably express a low, medium, and high expression level of the BCMA antigen, allowing to test dose-dependent effects of BCMA-targeting therapeutics.

ProMab's engineered target cell lines can be used for different assays with CAR-T effector cells, such as cytotoxicity (Figure 1).

Data

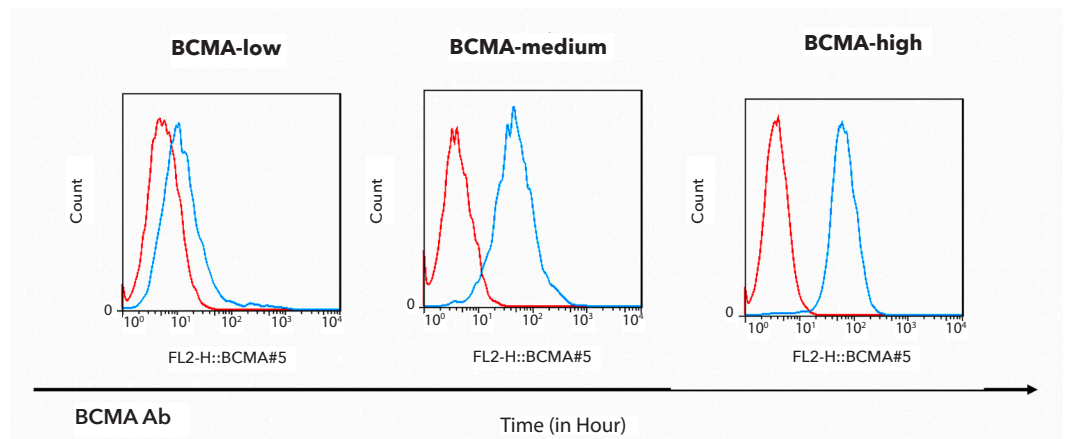
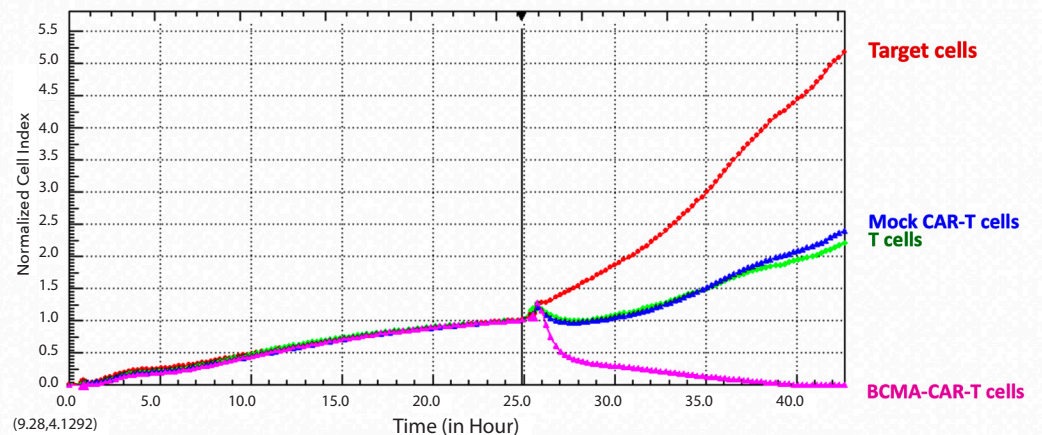


Figure 1. Expression of BCMA in CHO-BCMA cells. Low, medium and high expression of BCMA is shown from left to right panels. FACS with BCMA antibody is shown. Red color: isotype, blue color: BCMA antibody.

CHO-BCMA cells



Products and Services

- Mouse Monoclonal Antibody
- Rat Monoclonal Antibody
- Human Antibody
- Hybridoma Sequencing
- Polyclonal Antibody



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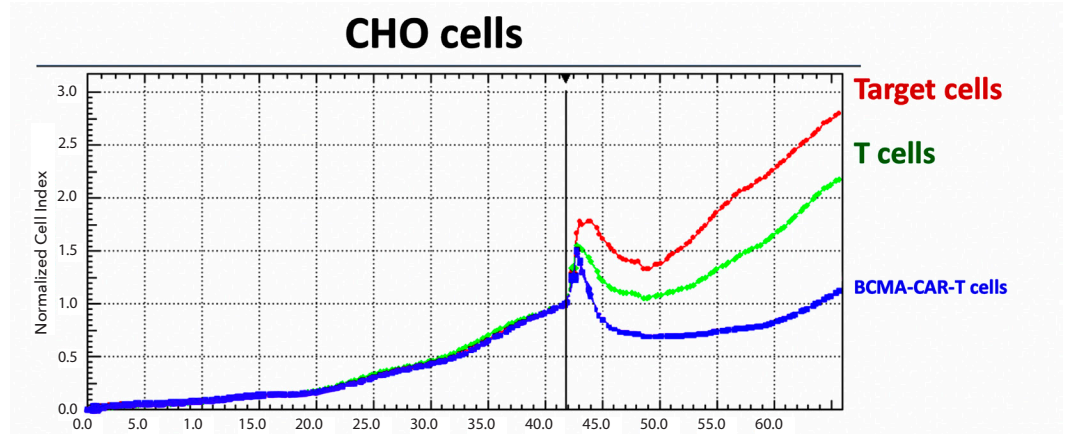


Figure 2. RTCA cytotoxicity assay in CHO-BCMA and CHO cells with BCMA-CAR-T cells. BCMA-CAR-T cells kill specifically CHO-BCMA cells but don't kill CHO cells.

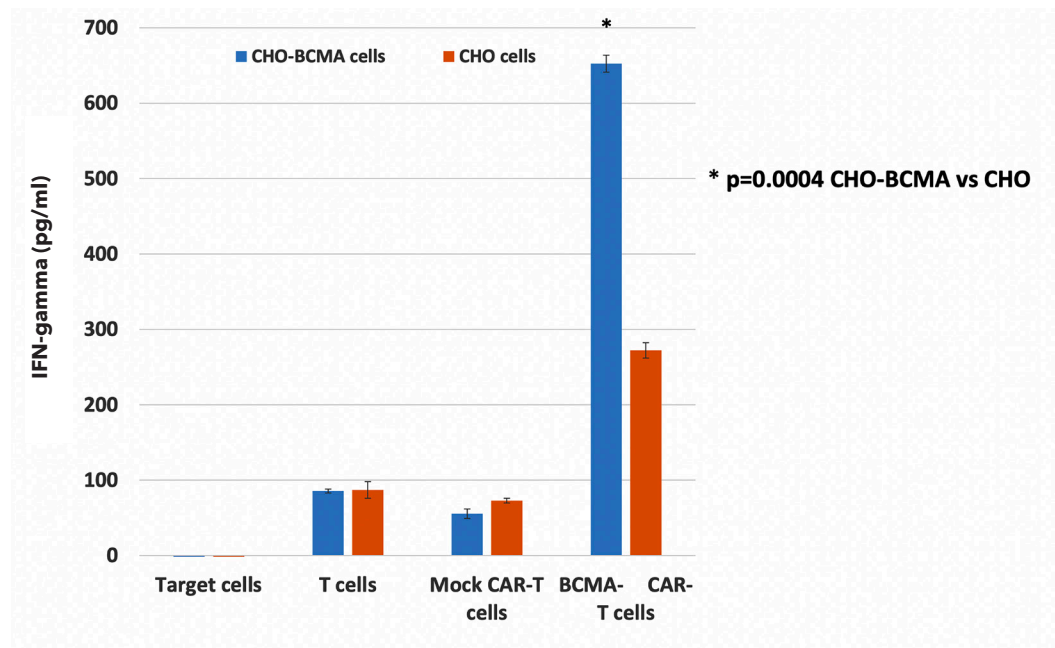


Figure 3. BCMA-CAR-T cells secrete significantly higher level of IFN-gamma in CHO-BCMA cells than in CHO cells.