Technical Data Sheet

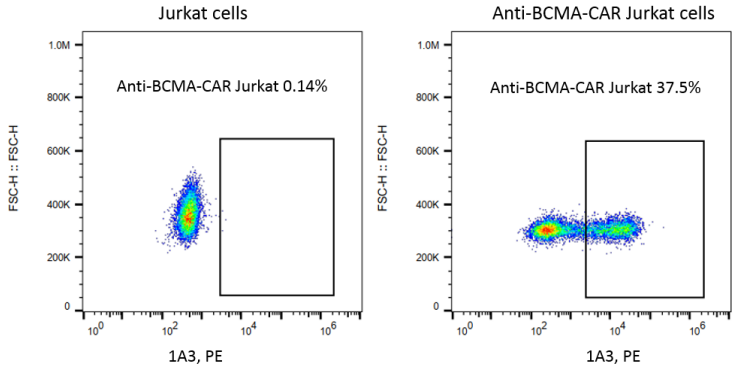
Rabbit Anti-Mouse C11D5.3 scFv Monoclonal Antibody, PE

Product Information

Material Number:	200705
Size:	25 Tests
Vol. per Test:	1 μL
Clone:	1A3
Antibody Types:	Monoclonal
Immunogen:	scFv region of mouse mAb clone C11D5.3
Host Species:	Rabbit
Reactivity:	Mouse
Storage Buffer:	Aqueous buffered solution containing protein stabilizer and ≤0.03% sodium azide

Description

1A3 specifically binds to the scFv region of a B-cell maturation antigen (BCMA) specific mouse monoclonal antibody (mAb, clone C11D5.3). B-cell maturation antigen (BCMA) is a protein that has been reported to be selectively expressed by B-lineage cells including multiple myeloma cells and plasma cells. The scFv region of C11D5.3 has been used to develop BCMA-specific chimeric antigen receptor (CAR) T cells utilized in clinical trials.



Flow cytometric analysis of anti-BCMA CAR expression on human cell line Jurkat cells*. Jurkat cells were lentivirally transduced with anti-BCMA CAR and cultured. 2×10^5 cells were stained for the expression of anti-BCMA CAR with Rabbit Anti-Mouse C11D5.3 scFv Monoclonal Antibody, PE (Cat. No. 200705, right panel). Non-transduced Jurkat cells were used as a control for gating of CAR expression (left panel).*

Preparation and Storage

Shipped at 2-8°C. Store at 2-8°C.
The monoclonal antibody was purified by Protein A.
The antibody was conjugated with PE under optimum conditions.

Application Notes

Application

Flow cytometry	Routinely Tested

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.

FACS Protocol

1. Harvest the cells and wash the cells once by FACS buffer (PBS containing 2% of BSA).
2. Count the cells number and the viability, aliquot up to 2×10^5 live cells into each tube. (Note: the cell viability must be ≥ 95%.)
3. Wash the cells once by FACS buffer.
4. Resuspend cells in 100 μL of diluted Rabbit Anti-Mouse C11D5.3 scFv Monoclonal Antibody, PE (Cat. No. 200705, 1:100 diluted in FACS buffer)

for 30 min at 4°C.

5. Wash the cells 3 times by FACS buffer and resuspend the cells in 200 μL PBS per sample.
6. Transfer the cells into flow tube and analyze on Flow Cytometer. Acquisition of >10, 000 events is performed.