

Technical Data Sheet

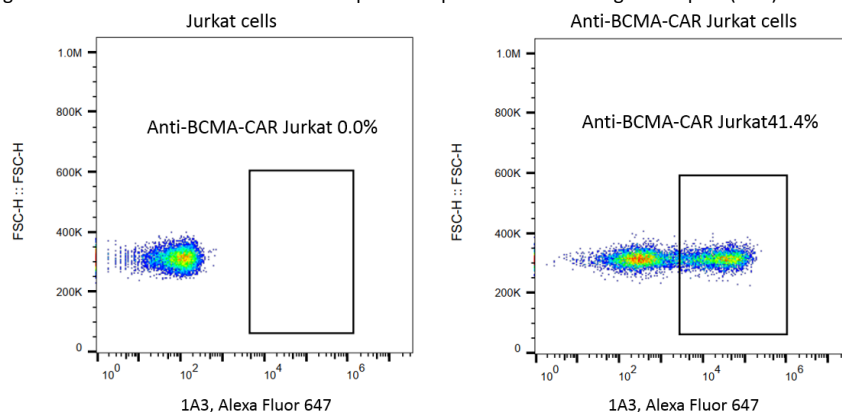
Rabbit Anti-Mouse C11D5.3 scFv Monoclonal Antibody, Alexa Fluor 647

Product Information

Material Number:	200701
Size:	25 Tests
Vol. per Test:	1 μ L
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 \leq 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, Alexa Fluor 647 (Cat. No. 200701, 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. Avoid freeze/thaw cycle.
The monoclonal antibody was purified by Protein A.
The antibody was conjugated with Alexa Fluor 647 under optimum conditions.

Application Notes

Application

Flow cytometry

Routinely Tested

Product Notices

- Since applications vary, each investigator should titrate the reagent to obtain optimal results.
- 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

- Harvest the cells and wash the cells once by FACS buffer (PBS containing 2% of BSA).
- Count the cells number and the viability, aliquot up to 2×10^5 live cells into each tube. (Note: the cell viability must be \geq 95%.)
- Wash the cells once by FACS buffer.
- Resuspend cells in 100 μ L of diluted Rabbit Anti-Mouse C11D5.3 scFv Monoclonal Antibody, Alexa Fluor 647 (Cat. No. 200701, 1:100 diluted in

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- FACS buffer) for 30 min at 4°C.
5. Wash the cells 3 times by FACS buffer and resuspend the cells in 200 μ L PBS per sample.
 6. Transfer the cells into flow tube and analyze on Flow Cytometer. Acquisition of >10, 000 events is performed.