

Technical Data Sheet

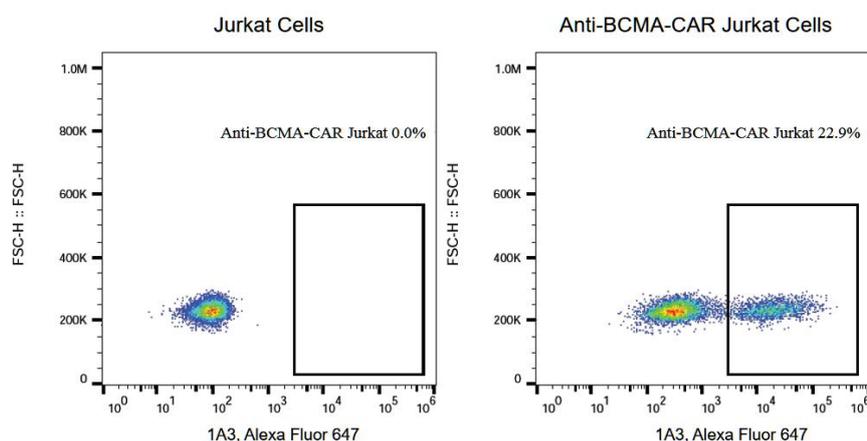
Rabbit Anti-Mouse C11D5.3 scFv Monoclonal Antibody, Alexa Fluor 647

Product Information

Material Number:	200702
Size:	100 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. 200702, 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.
- This product is provided under an intellectual property license from Life Technologies Corporation. The transfer of this product is conditioned on the buyer using the purchased product solely in research conducted by the buyer and the buyer must not (1) use this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; or (b) manufacturing or quality assurance or quality control, and/or (2)

sell or transfer this product or its components for resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5781 Van Allen Way, Carlsbad, CA 92008 USA or outlicensing@thermofisher.com.

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 $\geq 95\%$.)
3. Wash the cells once by FACS buffer.
4. Resuspend cells in 100 μL of diluted Rabbit Anti-Mouse C11D5.3 scFv Monoclonal Antibody, Alexa Fluor 647 (Cat. No. 200702, 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.