

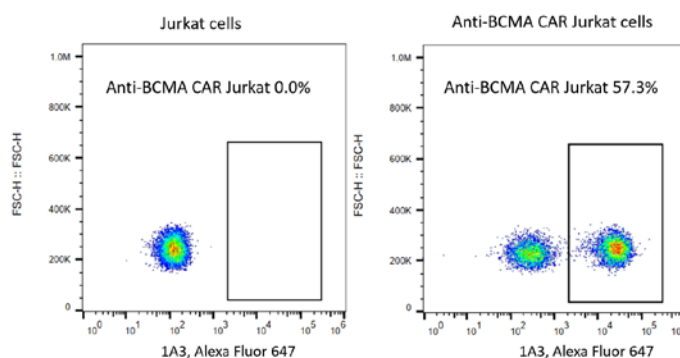
Technical Data Sheet

Rabbit Anti-Mouse C11D5.3 scFv Monoclonal Antibody

Product Information	
Product No.	200719
Concentration	1.0 mg/mL
Size	100 µg
Antibody Types	Monoclonal
Antibody Format	Whole IgG
Clone	1A3
Immunogen	scFv region of a BCMA-specific mouse mAb clone C11D5.3
Host Species	Rabbit
Reactivity	Mouse
Storage Buffer	PBS, pH 7.4
Storage conditions	-20°C

Description

1A3 specifically binds to the scFv region of a B-cell maturation antigen (BCMA) specific mouse monoclonal antibody (mAb, clone C11D5.3). BCMA is a protein that has been reported to be selectively expressed by B-lineage cells including multiple myeloma cells¹ and restrictively expressed in both normal and malignant plasma cells at high levels². 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 transduced with lentivirus encoding 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 (Product No. 200719, right panel). Secondary staining was carried out with AffiniPure F(ab')₂ Fragment Goat anti-Rabbit IgG(H+L), Alexa Fluor 647 (Product No. 700002). Non-transduced Jurkat cells were used as a control for gating of CAR expression (left panel).

Preparation & Storage

- Store at -20°C in small aliquot for long term storage. Avoid freeze/thaw cycle of the reagent.
- Shipped at 2-8°C. Store at 2-8°C for short term (1 month).
- The monoclonal antibody was purified by Protein A.

Application Notes

Application

Flow cytometry

Routinely Tested

Intellectual Product Notices

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References

1. Robert O. Carpenter et al., "B-Cell Maturation Antigen Is a Promising Target for Adoptive T-Cell Therapy of Multiple Myeloma," *Clinical Cancer Research* 19, no. 8 (April 15, 2013): 2048–60, <https://doi.org/10.1158/1078-0432.CCR-12-2422>.
2. Bo Yu, et al., "BCMA-Targeted Immunotherapy for Multiple Myeloma," *Journal of Hematology & Oncology* 13, no. 1 (December 2020): 125, <https://doi.org/10.1186/s13045-020-00962-7>.