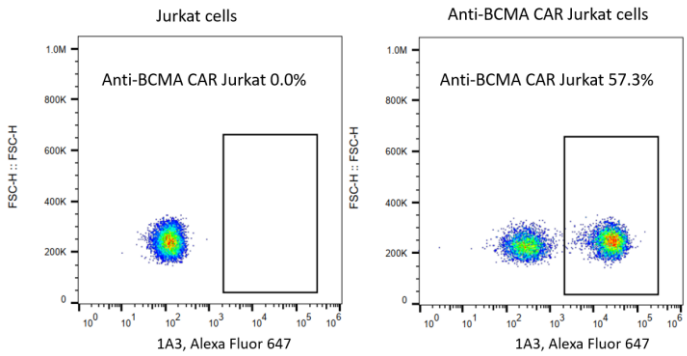
Technical Data Sheet

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 cells[1] and restrictively expressed in both normal and malignant plasma cells at high levels[2]. 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 undiluted at -20°C.
- Avoid freeze/thaw cycle of the reagent.
- The monoclonal antibody was purified by Protein A.

Application Notes

Application

Flow cytometry	Routinely Tested

Intellectual Product Notices

1. Conditions: The information disclosed herein is not to be construed as a recommendation to use the above product in violation of any patents. BioSwan will not be held responsible for patent infringement or other violations that may occur with the use of our products. Purchase does not include or carry any right to resell or transfer this product either as a stand-alone product or as a component of another product. Any use of this product other than the permitted use without the express written authorization of BioSwan Company is strictly prohibited.

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.