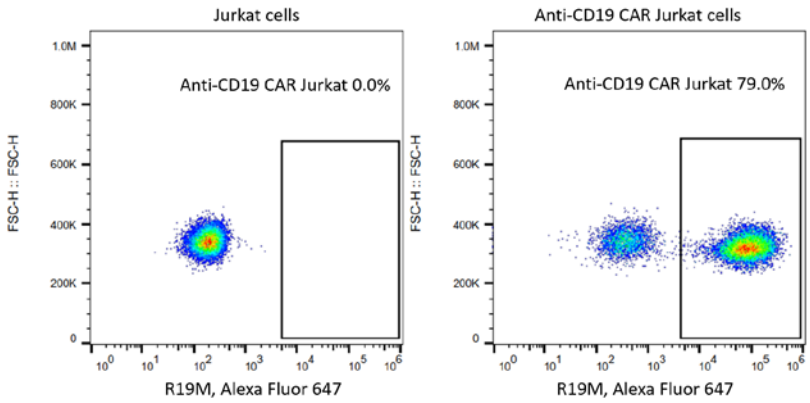
Technical Data Sheet

Rabbit Anti-Mouse FMC63 scFv Monoclonal Antibody

Product Information	
Product No.	200127
Concentration	1.0 mg/mL
Size	25 μg
Antibody Types	Monoclonal
Antibody Format	Whole IgG
Clone	R19M
Immunogen	scFv region of a CD19-specific mouse mAb clone FMC63
Host Species	Rabbit
Reactivity	Mouse
Storage Buffer	PBS, pH 7.4
Storage conditions	-20°C

Description

The rabbit monoclonal antibody R19M specifically binds to the scFv region of a CD19-specific mouse monoclonal antibody (mAb, clone FMC63). CD19 antigen is a B-cell specific cell surface antigen, which is expressed in all B-cell lineage malignancies and normal B-cells. The scFv region of FMC63 has been used to develop CD19-specific chimeric antigen receptor (CAR) T cells utilized in clinical trials.



Flow cytometric analysis of anti-CD19 CAR expression on human cell line Jurkat cells. *Jurkat cells were transduced with lentivirus encoding anti-CD19 CAR and cultured. 2×10^5 cells were stained for the expression of anti-CD19 CAR with Rabbit Anti-Mouse FMC63 scFv Monoclonal Antibody (Product No. 200127, 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

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Application References

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