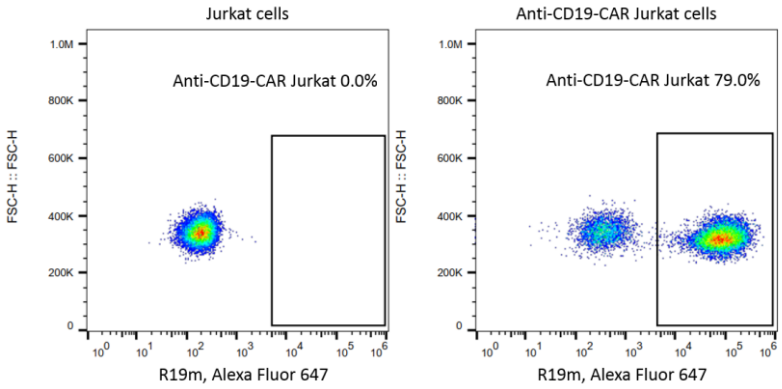
Technical Data Sheet

Rabbit Anti-Mouse FMC63 scFv Monoclonal Antibody

Material Number:	200120
Concentration:	1.0 mg/mL
Size:	100 μg
Antibody Types:	Monoclonal
Clone:	R19M
Immunogen:	scFv region of a CD19-specific mouse mAb clone FMC63
Host Species:	Rabbit
Reactivity:	Mouse
Storage Buffer:	PBS, pH 7.4
Preservative:	None

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 Jurkat cells*. Jurkat cells were lentivirally transduced with anti-CD19 CAR and cultured for 7 days. 2×10^5 cells were stained for the expression of anti-CD19 CAR with Rabbit Anti-Mouse FMC63 scFv Monoclonal Antibody (Cat. No. 200120, right panel). Secondary staining was carried out with Goat anti-Rabbit IgG (H+L), Alexa Fluor 647 (Cat. No. 700002). 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 short term (2 weeks). Store at -20°C in small aliquots for long term storage. Avoid freeze/thaw cycle.
The monoclonal antibody was purified by Protein A.

Application Notes

Application

Flow cytometry	Routinely Tested

Product Notices

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