

Technical Data Sheet

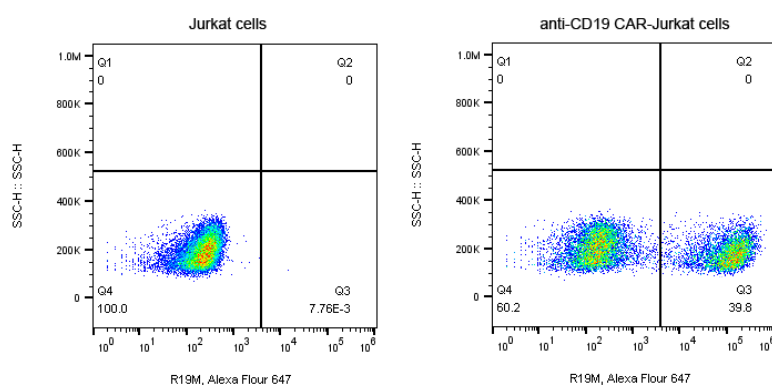
Rabbit Anti-Mouse FMC63 scFv Monoclonal Antibody

Product Information

Material Number:	200133
Concentration:	2.0 mg/mL
Size:	1.0 mg
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. 200133, right panel). Secondary staining was carried out with Goat anti-Rabbit IgG (H+L), Alexa Fluor 647. Non-transduced Jurkat cells were used as a control for gating of CAR expression (left panel).

Preparation and Storage

Shipped at 4°C. Store at 4°C short term (2 weeks). Store at -70°C or below 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

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