

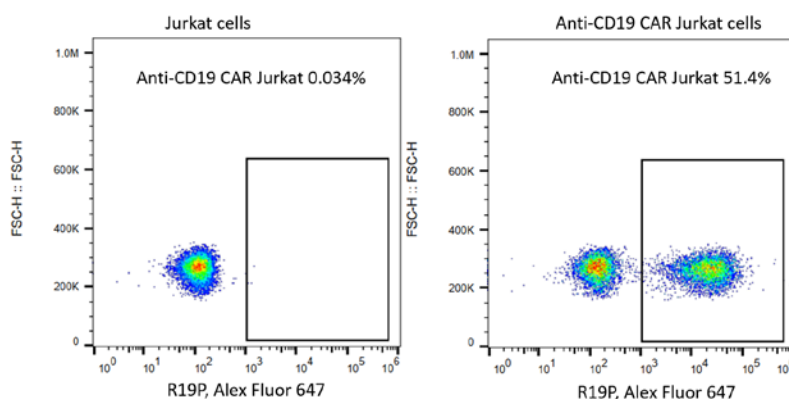
Technical Data Sheet

Rabbit Anti-Mouse FMC63 scFv Polyclonal Antibody

Product Information	
Product No.	500028
Concentration	1.0 mg/mL
Size	1.0 mg
Antibody Types	Polyclonal
Antibody Format	Whole IgG
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 polyclonal antibody R19P 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 Polyclonal Antibody (Product No. 500028, 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). Acquisition of >10,000 events was performed.

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 polyclonal antibody was purified by Protein A.

Application Notes

Application

Flow cytometry

Routinely Tested

Intellectual Product Notices

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