

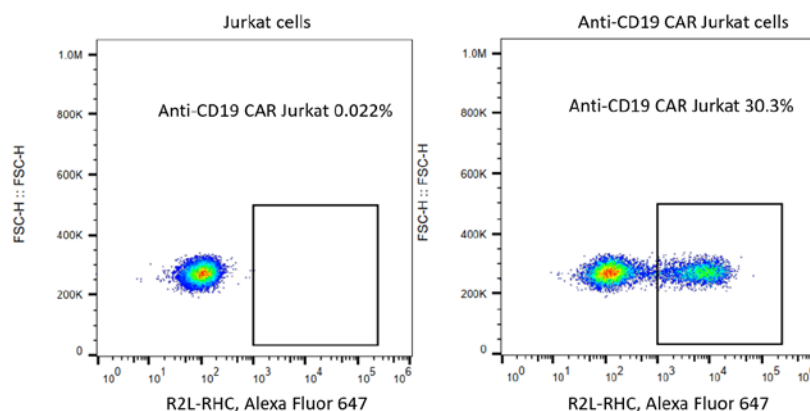
## Technical Data Sheet

### Anti-Mouse FMC63 scFv Monoclonal Antibody (R2L-RHC), hIgGc

Product Information	
Product No.	211919
Concentration	1.0 mg/mL
Size	100 µg
Antibody Types	Recombinant Monoclonal Antibodies
Antibody Format	Recombinant Human Fc Chimera
Clone	R2L-RHC
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

R2L-RHC 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.  $2 \times 10^5$  cells were stained for the expression of anti-CD19 CAR with Anti-Mouse FMC63 scFv Monoclonal Antibody (R2L-RHC), hIgGc (Product No. 211919, right panel). Secondary staining was carried out with Goat anti-Human IgG+IgM (H+L), Alexa Fluor 647 (Product No. 800002). Non-transduced Jurkat cells were used as a control for gating of CAR expression (left panel).

#### 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 monoclonal antibody was purified by Protein A.

#### Application Notes

##### Application

Flow cytometry

Routinely Tested

#### Intellectual Product Notices

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