



## Technical Data Sheet

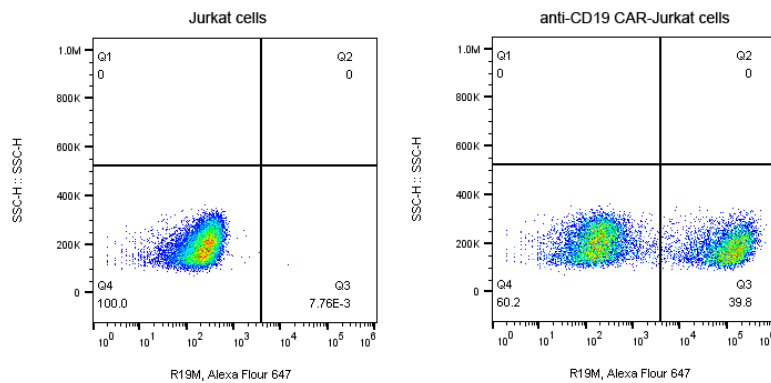
### Anti-Mouse FMC63 scFv mAb (R19M)

#### Product Information

Material Number:	200100
Size:	100 Tests
Vol. per Test:	1 $\mu$ L
Clone:	R19M
Immunogen:	scFv region of a CD19-specific mouse mAb clone FMC63
Reactivity:	Mouse
Storage Buffer:	Aqueous buffered solution containing protein stabilizer and $\leq 0.03\%$ sodium azide.

#### 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.  $2 \times 10^5$  cells were restained for the expression of anti-CD19 CAR with Anti-Mouse FMC63 scFv mAb (R19M) (Cat. No. 200100, 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

Store undiluted at 4°C. Do not freeze.  
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.
2. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.