

## Technical Data Sheet

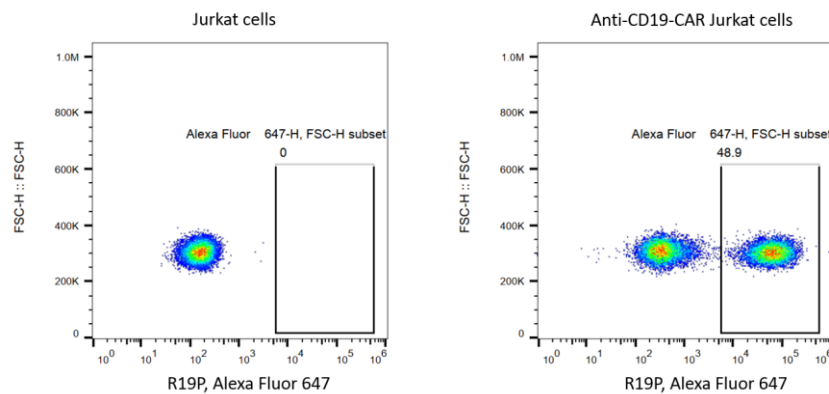
### Rabbit Anti-Mouse FMC63 scFv Polyclonal Antibody

#### Product Information

|                  |  |
|------------------|--|
| Material Number: | 500028   |
| Size:            | 1 mg   |
| Concentration:   | 1.0 mg/mL  |
| Purity:          | >90% by SDS-PAGE                                     |
| Antibody Types:  | Polyclonal   |
| Immunogen:       | scFv region of a CD19-specific mouse mAb clone FMC63 |
| Host Species:    | Rabbit   |
| Reactivity:      | Mouse  |
| Storage Buffer:  | PBS, pH 7.4 and ≤0.03% sodium azide                  |

#### 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 Jurkat cells.** Jurkat cells were lentivirally transduced with anti-CD19 CAR and cultured.  $5 \times 10^5$  cells were stained for the expression of anti-CD19 CAR with Rabbit Anti-Mouse FMC63 scFv Polyclonal Antibody (Cat. No. 500028, right panel). Secondary staining was carried out with AffiniPure F(ab')<sub>2</sub> Fragment Goat anti-Rabbit IgG(H+L), Alexa Fluor 647 (Cat. No. 700001). Non-transduced Jurkat cells were used as a control for gating of CAR expression (left panel). Acquisition of >10,000 events was performed.

#### 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 polyclonal 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.
- 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.