

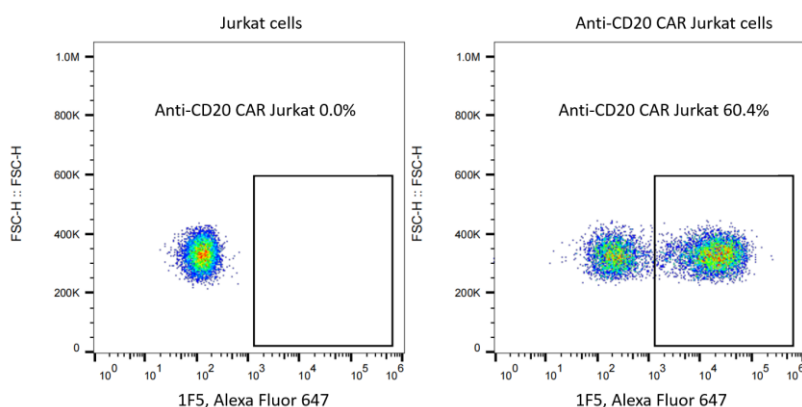
Technical Data Sheet

Rabbit Anti- Human 2C6 scFv Monoclonal Antibody

Product Information	
Product No.	202422
Concentration	2.0 mg/mL
Size	100 µg
Antibody Types	Monoclonal
Antibody Format	Whole IgG
Clone	1F5
Immunogen	scFv region of a CD20-specific Human mAb clone 2C6
Host Species	Rabbit
Reactivity	Human
Storage Buffer	PBS, pH 7.4
Storage conditions	-20°C

Description

The rabbit monoclonal antibody 1F5 specifically binds to the scFv region of a CD20-specific human monoclonal antibody (mAb, clone 2C6). CD20 (cluster of differentiate 20) is a protein that is expressed on the surface of B cells, starting at the pre-B cell stage and also on mature B cells in the bone marrow and in the periphery. CD20 is not expressed on hematopoietic stem cells, pro-B cells, or normal plasma cells. The scFv region of 2C6 has been used to develop CD20-specific chimeric antigen receptor (CAR) T cells utilized in clinical trials.



Flow cytometric analysis of anti-BCMA CAR expression on human cell line Jurkat cells. Jurkat cells were transduced with lentivirus encoding anti-CD20 CAR and cultured. 2×10^5 cells were stained for the expression of anti-CD20 CAR with Rabbit Anti-Human 2C6 scFv Monoclonal Antibody (Product No. 202422, 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).

Preparation & Storage

- Store undiluted at -20°C.
- Avoid freeze/thaw cycle of the reagent.
- The monoclonal antibody was purified by Protein A.

Application Notes

Application

Flow cytometry

Routinely Tested

Intellectual Product Notices

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