

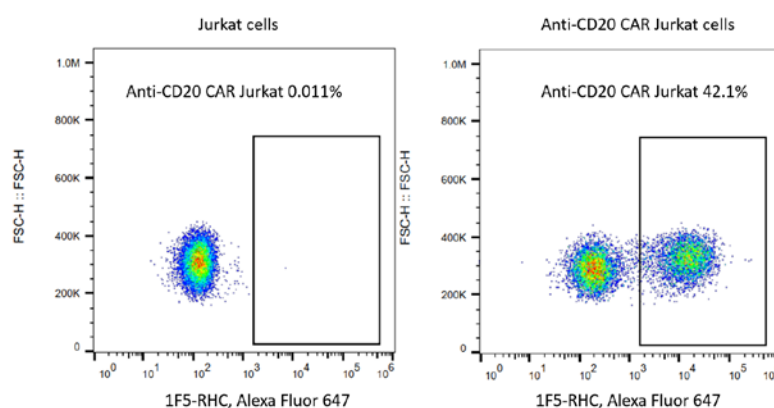
Technical Data Sheet

Anti-Human 2C6 scFv Recombinant Antibody, hIgGC

Product Information	
Product No.	202719
Concentration	1.0 mg/mL
Size	100 µg
Antibody Types	Recombinant Monoclonal Antibodies
Antibody Format	Recombinant Human Fc Chimera
Clone	1F5-RHC
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

1F5-RHC contains a specifically mutated human IgG1 Fc region which results in a reduction in binding to Fc receptors. 1F5-RHC 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-CD20 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 Anti-Human 2C6 scFv Recombinant Antibody, hIgGC (Product No. 202719, 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

1. Conditions: The information disclosed herein is not to be construed as a recommendation to use the above product in violation of any patents.

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