

Alexa Fluor 647-Labeled Monoclonal Anti-C11D5.3 scFv Antibody, Mouse IgG1 (3G8C1) (0.03% Proclin)

Catalog # C13-AFMYb



BIOSYSTEMS
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Source

Monoclonal Anti-C11D5.3 scFv Antibody, Mouse IgG1 (3G8C1) is expressed from human HEK293 cells, which provides higher batch consistency and long term security of supply.

Application

Flow Cytometry (Evaluation of Anti-BCMA (C11D5.3 scFv) CAR Expression).

Clone

3G8C1

Species

Mouse

Isotype

Mouse IgG1 | Mouse kappa

Specificity

Specifically recognizes the antigen-recognition domain of C11D5.3 derived CARs.

Immunogen

Recombinant C11D5.3 scFv derived from HEK293 cells.

Conjugate

AF647

Excitation Wavelength: 640 nm

Emission Wavelength: 672 nm

Recommended Dilution

1:50

Formulation

Lyophilized from 0.22 μ m filtered solution in PBS, 0.03% Proclin 300 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

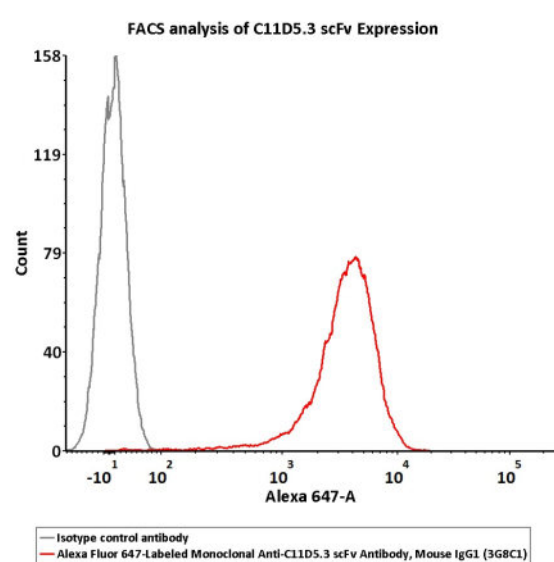
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please protect from light and avoid repeated freeze-thaw cycles.

This product is stable after storage at:

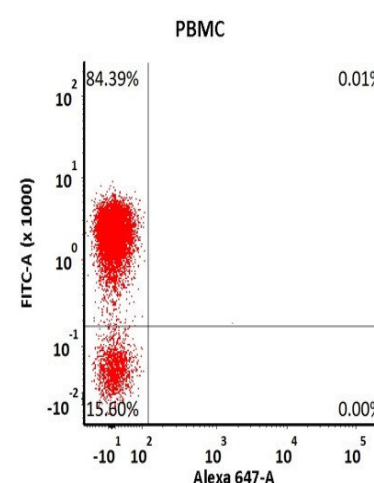
- -20°C to -70°C for 24 months in lyophilized state;
- -70°C for 12 months after reconstitution.
- $2-8^{\circ}\text{C}$ for 12 months after reconstitution.

Bioactivity-FACS

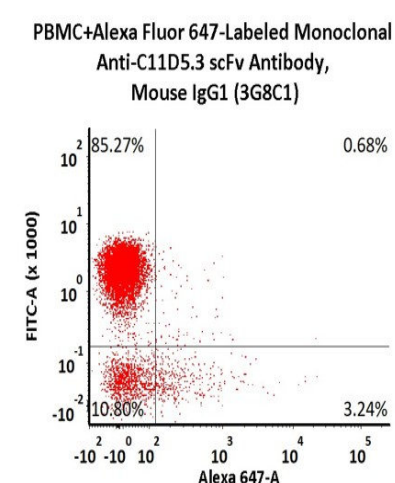


Flow cytometric analysis of Anti-BCMA(C11D5.3) CAR-293 cells staining with Alexa Fluor 647-Labeled Monoclonal Anti-C11D5.3 scFv Antibody, Mouse IgG1 (3G8C1) (Cat. No. C13-AFMYb) at 1:50 dilution (2 μ L of the

A



B



Non-specificity of Alexa Fluor 647-Labeled Monoclonal Anti-C11D5.3 scFv Antibody, Mouse IgG1 (3G8C1) (Cat. No. C13-AFMYb) binding to CD3+ cells present in human PBMC. 5×10^5 of human PBMCs were simultaneously

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antibody stock solution corresponds to labeling of $1e6$ cells in a final volume of $100\ \mu\text{L}$), compared with Isotype control antibody. Alexa Fluor 647 signal was used to evaluate the binding activity (QC tested).

stained with FITC anti-CD3 antibody and Alexa Fluor 647-Labeled Monoclonal Anti-C11D5.3 scFv Antibody, Mouse IgG1 (3G8C1) ($2\ \mu\text{L}$ of the antibody stock solution corresponds to labeling of $5e5$ cells in a final volume of $100\ \mu\text{L}$) and washed and then analyzed with FACS. Both FITC and Alexa Fluor 647 positive signals was used to evaluate the non-specific binding activity to human CD3+ cells (QC tested).

Background

C11D5.3 is an IgG1 mouse monoclonal antibody specific for BCMA, which is a target for the immunotherapy of multiple myeloma and lymphomas. C11D5.3 scFv is the most commonly used ectodomain component of BCMA-specific CARs. So far, multiple reported CART BCMA trials contain the anti-BCMA scFv derived from C11D5.3, such as FDA approved CARs Abecma.

Clinical and Translational Updates

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