Rabbit Anti-FMC63 scFv, Fc Tag

Catalog # FM3-12331A

Source

Rabbit Anti-FMC63 scFv, Fc Tag is a recombinant single-chain variable fragment derived from the rabbit monoclonal antibody clone 1G10 and expressed in HEK293 cells.

Antibody Type

Recombinant Monoclonal

Clone

1G10

Host Species

Rabbit

Specificity

Specifically recognizes the antigen-recognition domain of FMC63 derived CARs.

Application

Application	Recommended Use
Flow Cytometry	1:50

** Recommended dilutions are for reference only. Optimal working concentrations may vary depending on your consumables, reagents, and assay conditions. We recommend optimizing for your specific system. No warranty is made regarding performance at any specific dilution.*

Purification

Affinity purification.

Concentration

Please refer to the Certificate of Analysis (CoA).

Form

Lyophilized

Formulation

Lyophilized from a 0.22 μm-filtered solution in PBS (pH 7.4) containing 0.05% Tween 80, with trehalose as protectant.

Please contact us for customized product forms or formulations.

Reconstitution

Please refer to the Certificate of Analysis (CoA) for specific instructions.

Shipping

Lyophilized product is shipped at ambient temperature.

Storage

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

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

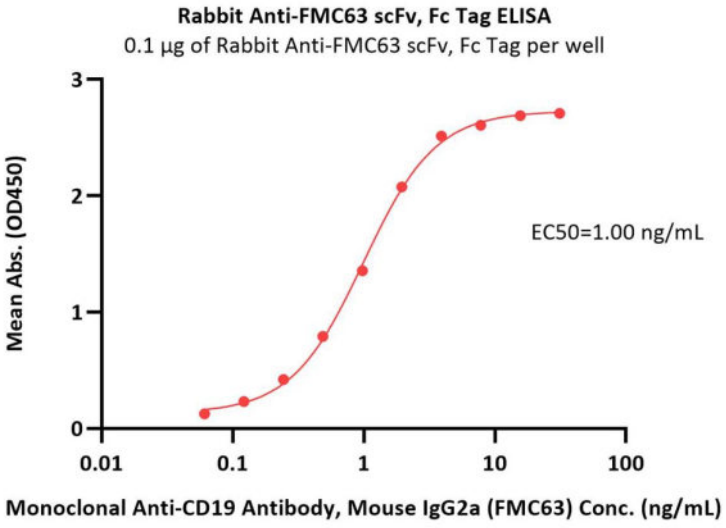
Notices

Product Specific Notices: For research use only.

ACRO Quality Management System

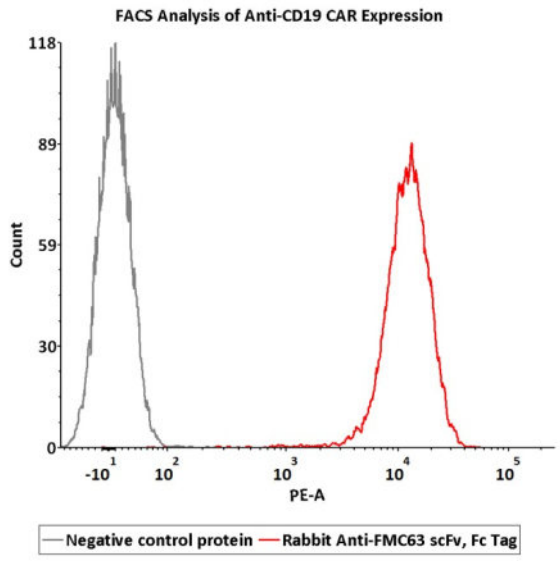
- QMS(ISO, GMP)
- Quality Advantages
- Quality Control Process

Activity-ELISA



Immobilized Rabbit Anti-FMC63 scFv, Fc Tag (Cat. No. FM3-12331A) at 1 μg/mL (100 μL/well) can bind Monoclonal Anti-CD19 Antibody, Mouse IgG2a (FMC63) with a linear range of 0.06-2 ng/mL (QC tested).

Activity-Flow Cytometry



5e5 of anti-CD19 CAR-293 cells were stained with 100 μL of 1:50 dilution (2 μL stock solution in 100 μL FACS buffer) of Rabbit Anti-FMC63 scFv, Fc Tag(Cat. No. FM3-12331A) and negative control antibody respectively, washed and then followed by PE anti-human IgG Fc Recombinant Antibody and analyzed with FACS (QC tested).

Background

FMC63 is an IgG2a mouse monoclonal antibody specific for CD19, which is a target for the immunotherapy of B lineage leukaemias and lymphomas. FMC63 scFv is the most commonly used ectodomain component of CD19-specific CARs. So far, most of reported CART19 trials contain the anti-CD19 scFv derived from FMC63, including the two FDA-approved CARs Kymriah and Yescarta.

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