Source

PE-Labeled Monoclonal Anti-His Antibody, Mouse IgG1 (55F8) is a mouse monoclonal antibody recombinantly expressed from Hybridoma.

Application

Flow Cytometry (Detection the His-tagged protein).

Clone

55F8

Species

Mouse

Isotype

Mouse IgG1 | Mouse Kappa

Specificity

Specifically recognizes the protein containing his Tag.

Immunogen

Purified his-tagged Protein.

Conjugate

PE

Excitation Wavelength: 488 nm / 561 nm

Emission Wavelength: 575 nm

Isotype Control

The Isotype control is sold separately and you can search for Cat. No. ***DNP-PM1*** for product information.

Recommended Dilution

1:50

Formulation

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4 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

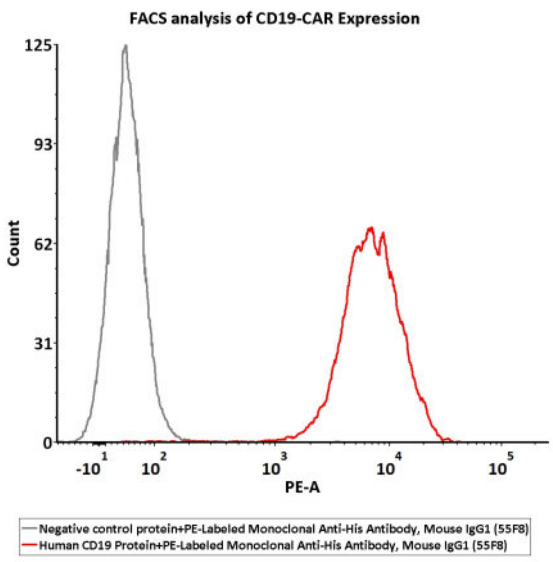
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

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 °C for 3 months after reconstitution.

Bioactivity-FACS



Flow cytometric analysis of Anti-CD19 CAR-293 cells staining with 100 μL of 10 μg/mL Human CD19 (20-291) Protein, His Tag (Cat. No. CD9-H52H2) and negative control protein respectively, washed and then followed with PE-Labeled Monoclonal Anti-His Antibody, Mouse IgG1 (55F8) (Cat. No. HIS-

PFY63) at 1:50 dilution (2 μL of the antibody stock solution corresponds to labeling of 1e6 cells in a final volume of 100 μL) and analyzed with FACS. PE signal was used to evaluate the binding activity (QC tested).

Background

His tag is a very small molecular weight tag, usually composed of 6-10 histidine (His). It is one of the commonly used tags for protein purification and detection. Due to its small molecular weight, fusion into the target protein has almost no effect on the structure and characteristics of the protein. Anti-his tag antibody can accurately detect, locate and purify His tag fusion protein, so as to provide convenience for the vast number of researchers.

Clinical and Translational Updates