



Source

Monoclonal Anti-CD71 Antibody, Mouse IgG1 (5B5) is a Mouse monoclonal antibody recombinantly expressed from HEK293 cells, which provides higher batch consistency and long term security of supply.

Application

Flow Cytometry (Evaluation of the expression of CD71 on Human cells).

Clone

5B5

Species

Mouse

Isotype

Mouse IgG1 | Mouse Kappa

Specificity

This product is a specific antibody specifically reacts with CD71 protein.

Reactivity

Human

Immunogen

Purified Human CD71 Protein.

Conjugate

FITC

Excitation source: 488 nm spectral line, argon-ion laser

Excitation Wavelength: 488 nm

Emission Wavelength: 535 nm

Isotype Control

The Isotype control is sold separately and you can search for Cat. No. [DNP-FMIAI](#) for product information.

Recommended Dilution

1:50

Formulation

Lyophilized from 0.22 μ m filtered solution in PBS, pH7.4, 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

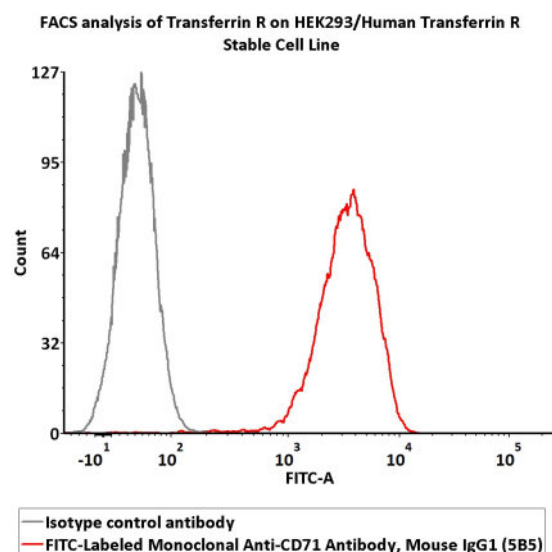
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

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



Discounts, Gifts,
and more!



FITC-Labeled Monoclonal Anti-CD71 Antibody, Mouse IgG1 (5B5) (0.03% Proclin)

Catalog # CD1-FMY21



BIOSYSTEMS
Acro

Flow cytometric analysis of HEK293/Human Transferrin R Stable Cell Line (ACROBiosystems, Cat. No. CHEK-ATP089) staining with FITC-Labeled Monoclonal Anti-CD71 Antibody, Mouse IgG1 (5B5) (Cat. No. CD1-FMY21) at 1:50 dilution (2 μ L of the stock solution corresponds to labeling of 1e6 cells in a final volume of 100 μ L), compared with isotype control antibody. FITC signal was used to evaluate the binding activity (QC tested).

Background

CD antigen CD71 is also known as Transferrin receptor protein 1, TfR, sTfR, p90, TfR1, Trfr, which belongs to the peptidase M28 family and M28B subfamily. CD71 /TfR contains one PA (protease associated) domain. CD71 / TfR1 is required for iron delivery from transferrin to cells. CD71 is a potential new target in cases of human leukemia & lymphoma. CD71 /TFRC / TfR has been shown to interact with GABARAP and HFE.

Clinical and Translational Updates

Discounts, Gifts,
and more!



www.acrobiosystems.com

1/24/2025