

TECHNICAL DATA SHEET

CyFlow™ IgM FITC Mouse Isotype Control

REF **AW695775**

For Research Use Only.
Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	IgM Isotype Control
Alternative Names	—
Clone	PFR-03
Clonality	monoclonal
Format	FITC
Host / Isotype	Mouse / IgM
Species Reactivity	n/a
Negative Species Reactivity	Human Mouse Rat Pig
Quantity [Concentration]	0.1 mg [1 mg/ml]
Immunogen	< no data >

Specificity

This mouse IgM monoclonal antibody (clone PFR-03) reacts with undefined epitope on a plant pathogen.

Contact Information:

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Application

The reagent is designed as an isotype control for Flow Cytometry analysis. To establish the amount of non-specific antibody binding, match the concentration of the correct isotype to the recommended working concentration of the antigen-specific antibody. If the background signal of the isotype control is too high (usually when working antibody concentrations are above 10 µg/ml of incubation mixture), change the experimental conditions to reduce the background.

Other usages may be determined from the scientific literature.

Storage Buffer

The reagent is provided in Tris buffered saline (TBS) solution, pH ≈8.0, containing 0.1% (w/v) sodium azide.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability	Do not use after expiration date stamped on vial label.

Background Information

The specificity of staining by monoclonal antibodies to target antigens should be verified by establishing the amount of non-specific antibody binding. Especially at higher concentration (more than 15 µ/ml) the antibody staining usually has consignable background. To this end a non-reactive immunoglobulin of the same isotype is included as a negative control for each specific monoclonal antibody used in a particular immunoassay. The monoclonal antibody PFR-03, generated against a plant pathogen, does not cross-react with other species, and hence all the background that could be observed when working with this antibody would be a result of general nonspecific interactions between an mouse IgM molecule and the respective sample under the particular conditions. This shall help the customer to set up the experimental conditions so that the nonspecific binding of any antibody is abolished.

References

- Michailowsky V, Luhrs K, Rocha MO, Fouts D, Gazzinelli RT, Manning JE: Humoral and cellular immune responses to Trypanosoma cruzi-derived paraflagellar rod proteins in patients with Chagas' disease.. Infect Immun. 2003 Jun; 71(6):3165-71. < PMID: 12761095 >

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The Safety Data Sheet for this product is available at www.sysmex-partec.com/services.

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