

Technical Data Sheet

FITC Mouse IgG1, κ Isotype Control

Product Information

Material Number:	550616
Size:	0.25 mg
Concentration:	0.5 mg/ml
Clone:	MOPC-31C
Isotype:	Mouse (BALB/c) IgG1, κ
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The MOPC-31C antibody has unknown specificity. The transplantable plasmacytoma MOPC-31C was induced by intraperitoneal injection of mineral oils into BALB/c mice. It was adapted to continuous cell culture by alternate passage in animals.

This antibody is routinely tested by flow cytometric analysis. Other applications were tested at BD Biosciences Pharmingen during antibody development only or reported in the literature.

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

The antibody was conjugated with FITC under optimum conditions, and unreacted FITC was removed.

Store undiluted at 4° C and protected from prolonged exposure to light. Do not freeze.

Application Notes

Application

Flow cytometry	Routinely Tested
Isotype control	Routinely Tested

Recommended Assay Procedure:

An isotype control should be used at the same concentration as the antibody of interest (e.g., ≤ 1 µg/million cells for flow cytometry).

We recommend FITC-conjugated mouse IgG1 κ mAb MOPC-21 (Cat. No. 555748) for immunofluorescent staining of human whole blood, mAb MOPC-21 (Cat. No. 555909) for cytoplasmic staining of human cells, and mAb MOPC-21 (Cat. No. 554679) for intracellular cytokine flow cytometry, and mAb MOPC-21 (Cat. No. 556649) for non-human primate cells.

Suggested Companion Products

Catalog Number	Name	Size	Clone
556649	FITC Mouse IgG1, κ Isotype Control	50 tests	MOPC-21
554679	FITC Mouse IgG1, κ Isotype Control	0.1 mg	MOPC-21
555748	FITC Mouse IgG1, κ Isotype Control	100 tests	MOPC-21
555909	FITC Mouse IgG1, κ Isotype Control	100 tests	MOPC-21

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.

References

Sibinovic KH, Potter M, Hoostelaere, Rode B, Wax J, ed. *Catalogue of plasmacytomas and other tumors of the lymphoreticular system, 3rd edition*. Kensington, Maryland: Litton Bionetics, Inc; 1976:1-33.(Clone-specific)

Hay R, Caputo J, Chen TR, Macy M, McClintock P, Reid Y, ed. *ATCC. Cell Lines and Hybridomas, Eighth Edition*. 1994:75.(Clone-specific)

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