Technical Data Sheet

PE Mouse IgG1, κ Isotype Control

Product Information

Material Number:	**550617**
Size:	0.1 mg
Concentration:	0.2 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.

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
The antibody was conjugated with R-PE under optimum conditions, and unconjugated antibody and free PE were removed.
Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

Application Notes

Application

Isotype control	Routinely Tested
Flow cytometry	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 PE-conjugated mouse IgG1 κ mAb MOPC-21 (Cat. No. 555749) for immunofluorescent staining of human whole blood, mAb MOPC-21 (Cat. No. 554680 or 559320) for intracellular cytokine flow cytometry, and mAb MOPC-21 (Cat. No. 556650) for non-human primate cells.

Suggested Companion Products

Catalog Number	Name	Size	Clone
555749	PE Mouse IgG1, κ Isotype Control	100 tests	MOPC-21
554680	PE Mouse IgG1, κ Isotype Control	0.1 mg	MOPC-21
556650	PE Mouse IgG1, κ Isotype Control	50 tests	MOPC-21
559320	PE 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. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at www.bdbiosciences.com/colors.
4. 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

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

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