

## Technical Data Sheet

Purified Mouse IgG1  $\kappa$  Isotype Control

## Product Information

Material Number:	550878
Size:	1.0 ml
Concentration:	250 $\mu$ g/ml
Clone:	MOPC-31C
Isotype:	Mouse (BALB/c) IgG1, $\kappa$
Storage Buffer:	Aqueous buffered solution containing BSA, goat serum, and $\leq$ 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

Store undiluted at 4°C.

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

## Application Notes

## Application

Flow cytometry	Routinely Tested
Isotype control	Routinely Tested
ELISA	Routinely Tested
Immunohistochemistry-frozen	Tested During Development
Immunohistochemistry-formalin (antigen retrieval required)	Tested During Development
Immunohistochemistry-zinc-fixed	Tested During Development
Immunocytochemistry (cytospins)	Tested During Development
Immunohistochemistry-paraffin	Tested During Development

## Recommended Assay Procedure:

This antibody has been tested by ELISA and Flow cytometry to assure specificity and reactivity.

For immunohistochemical staining of acetone-fixed frozen sections or formalin-fixed paraffin sections, a dilution range of 1:12.5 - 1:50 is suggested.

## Suggested Companion Products

Catalog Number	Name	Size	Clone
550946	Streptavidin HRP	50 ml	(none)
559148	Antibody Diluent for IHC	125 ml	(none)
550880	DAB Substrate Kit	500 tests	(none)

## Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. 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.
3. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
4. This antibody has been developed for the immunohistochemistry application. However, a routine immunohistochemistry test is not performed on every lot. Researchers are encouraged to titrate the reagent for optimal performance.
5. Please refer to [www.bdbiosciences.com/pharmingen/protocols](http://www.bdbiosciences.com/pharmingen/protocols) for technical protocols.

## 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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