

Technical Data Sheet

Biotin Mouse IgG2b, κ Isotype Control

Product Information

Material Number:	559531
Size:	0.25 mg
Concentration:	0.5 mg/ml
Clone:	MPC-11
Isotype:	Mouse (BALB/c) IgG2b, κ
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The MPC-11 antibody has unknown specificity. The MPC-11 cell line was adapted to continuous culture from the transplantable Merwin Plasmacytoma-11, which was induced by intraperitoneal implantation of a Millipore diffusion chamber into a BALB/c mouse.

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 biotin under optimum conditions, and unreacted biotin 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:

We recommend Cat. No. 555741 for immunofluorescent staining of human whole blood.

Suggested Companion Products

Catalog Number	Name	Size	Clone
555741	Biotin Mouse IgG2b, κ Isotype Control	100 tests	27-35

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.
4. An isotype control should be used at the same concentration as the antibody of interest.

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)

Laskov R, Scharff MD. Synthesis, assembly, and secretion of gamma globulin by mouse myeloma cells. I. Adaptation of the Merwin plasma cell tumor-11 to culture, cloning, and characterization of gamma globulin subunits. *J Exp Med.* 1970; 131(3):515-541.(Clone-specific)

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