

Technical Data Sheet

Purified Mouse IgG2b, κ Isotype Control

Product Information

Material Number:	557351
Size:	0.5 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.

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

ELISA Standard	Routinely Tested
Flow cytometry	Routinely Tested
Isotype control	Routinely Tested
Immunohistochemistry-formalin (antigen retrieval required)	Tested During Development
Immunohistochemistry-frozen	Tested During Development

Recommended Assay Procedure:

Cat. No. 555740 is recommended for immunofluorescent staining of human whole blood and Cat. No. 556654 for non-human primate cells.

Suggested Companion Products

Catalog Number	Name	Size	Clone
555740	Purified Mouse IgG2b κ Isotype Control	0.1 mg	27-35
556654	Purified Mouse IgG2b, κ Isotype Control	0.1 mg	27-35

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. An isotype control should be used at the same concentration as the antibody of interest.
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. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.

References

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)
 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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