

Technical Data Sheet

Purified Rat Anti-Mouse IgG2b

Product Information

Material Number:	553396
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	R9-91
Immunogen:	Pooled mouse Ig
Isotype:	Rat (LOU) IgG1
Reactivity:	QC Testing: Mouse
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The R9-91 antibody recognizes an epitope in the CH3 domain of mouse IgG2b of Igh-C[a] and Igh-C[b] haplotypes. It does not react with other Ig isotypes. Detection of surface immunoglobulin on B lymphoma cells has been demonstrated with R9-91 mAb.

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. Store undiluted at 4° C.

Application Notes

Application

ELISA Capture	Routinely Tested
Flow cytometry	Reported

Recommended Assay Procedure:

For the sandwich mouse IgG2b ELISA, purified mAb R9-91 is optimal for capture with biotin anti-mouse IgG2b R12-3 mAb (Cat. No. 553393) for detection and Cat. No. 557351 as a standard. Purified R9-91 mAb may be used as a primary reagent in immunofluorescent staining. For flow cytometric detection of intracytoplasmic IgG2b, we recommend FITC-conjugated mAb R12-3 (Cat. No. 553395).

Suggested Companion Products

Catalog Number	Name	Size	Clone
553393	Biotin Rat Anti-Mouse IgG2b	0.5 mg	R12-3
557351	Purified Mouse IgG2b, κ Isotype Control	0.5 mg	MPC-11
553395	FITC Rat Anti-Mouse IgG2b	0.5 mg	R12-3

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.

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