

Technical Data Sheet

Biotin Rat Anti-Mouse IgM**Product Information**

Material Number:	553406
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	R6-60.2
Immunogen:	Pooled Mouse Ig
Isotype:	Rat (LOU) IgG2a, κ
Reactivity:	QC Testing: Mouse
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

Description

The R6-60.2 antibody reacts specifically with mouse IgM of Igh-C[a] and Igh-C[b] haplotypes. It does not react with other Ig isotypes. R6-60.2 antibody has not been shown to stimulate B-cell proliferation.

This antibody is routinely tested by ELISA and 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**

ELISA	Routinely Tested
Flow cytometry	Routinely Tested

Recommended Assay Procedure:

For the sandwich mouse IgM ELISA, biotin-conjugated R6-60.2 mAb is optimal for detection with purified anti-mouse IgM II/41 mAb (Cat. No. 553435) for capture. Biotinylated R6-60.2 mAb (Cat. No. 553435) may be used as a primary or secondary reagent in immunofluorescent staining. Biotinylated R6-60.2 mAb may be used as a primary or secondary reagent in immunofluorescent staining. For flow cytometric detection of intracytoplasmic IgM, we recommend FITC-conjugated mAb II/41 (Cat. No. 553437).

Suggested Companion Products

Catalog Number	Name	Size	Clone
554061	PE Streptavidin	0.5 mg	(none)
553928	Biotin Rat IgG2a, κ Isotype Control	0.25 mg	R35-95
553435	Purified Rat Anti-Mouse IgM	0.5 mg	II/41
553437	FITC Rat Anti-Mouse IgM	0.5 mg	II/41

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.

References

BD Biosciences Pharmingen. Unpublished results. (Immunogen)

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