

Technical Data Sheet

Biotin Mouse Anti-Rat IgM

Product Information

Material Number:	553886
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	G53-238
Immunogen:	Pooled Rat Ig
Isotype:	Mouse IgG1, κ
Reactivity:	QC Testing: Rat
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

Description

The G53-238 antibody reacts specifically with rat IgM monomers and pentamers. It does not react with other Ig isotypes. G53-238 antibody has not been shown to stimulate B-cell proliferation.

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 rat IgM ELISA, biotinylated G53-238 mAb may be used for detection with purified G53-238 mAb (Cat. No. 553885) for capture. Biotinylated G53-238 mAb may be used as a primary or secondary reagent in immunofluorescent staining. For flow cytometric detection of intracytoplasmic IgM, we recommend FITC-conjugated G53-238 mAb (Cat. No. 553887). For immunohistochemical staining, we recommend the use of biotinylated G53-238 mAb in our special formulation for immunohistochemistry, Cat. No. 550330.

Suggested Companion Products

Catalog Number	Name	Size	Clone
553885	Purified Mouse Anti-Rat IgM	0.5 mg	G53-238
554061	PE Streptavidin	0.5 mg	(none)
550615	Biotin Mouse IgG1 κ Isotype Control	0.25 mg	MOPC-31C

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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