Technical Data Sheet

Biotin Mouse Anti-Rat IgG2b

Product Information

Material Number:	**553883**
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	G15-337
Immunogen:	Pooled rat Ig
Isotype:	Mouse IgG2b, κ
Reactivity:	QC Testing: Rat
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The G15-337 antibody reacts specifically with rat IgG2b. It does not react with other Ig isotypes. A suspension of pooled rat Ig was used as the source of immunogen.

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
The antibody was conjugated with FITC under optimum conditions, and unreacted FITC was removed.
Store undiluted at 4° C and protected from prolonged exposure to light. Do not freeze.

Application Notes

Application

Flow cytometry	Routinely Tested
ELISA	Tested During Development
Immunohistochemistry	Tested During Development

Recommended Assay Procedure:

Flow cytometry: Biotin G15-337 mAb may be used as a secondary reagent in immunofluorescent staining. G15-337 antibody is effective for detection of cell-surface or intracellular Ig by immunofluorescent staining with flow cytometric analysis. For flow cytometric detection of intracytoplasmic IgG2b, we recommend FITC-conjugated G15-337 mAb (Cat. No. 553884).

ELISA: For the sandwich rat IgG2b ELISA, purified G15-337 mAb (Cat. No. 553882) is optimal for capture with biotinylated anti-rat IgG2b RG7/11.1 mAb (Cat. No. 553898) for detection.

IHC: For immunohistochemical staining of acetone-fixed frozen sections, we recommend the use of biotinylated G15-337 mAb in our special formulation for immunohistochemistry, Cat. No. 550327.

Suggested Companion Products

Catalog Number	Name	Size	Clone
550327	Biotin Mouse Anti-Rat IgG2b	1.0 ml	G15-337
553884	FITC Anti-Rat IgG2b	0.5 mg	G15-337

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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