

Technical Data Sheet

Biotin Rat Anti-Mouse IgA

Product Information

Material Number:	556978
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	C10-1
Immunogen:	Pooled mouse IgA
Isotype:	Rat (LOU) IgG1, κ
Reactivity:	QC Testing: Mouse
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

Description

The C10-1 antibody reacts specifically with mouse IgA 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 C10-1 mAb.

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	Tested During Development

Recommended Assay Procedure:

For the sandwich mouse IgA ELISA, biotinylated C10-1 mAb is optimal for detection with purified antimouse IgA C10-3 mAb (Cat. no. 556969) for capture. Biotinylated C10-1 mAb may be used as a primary or secondary reagent in immunofluorescent staining. For flow cytometric detection of intracytoplasmic IgA, we recommend FITC-conjugated mAb C10-3 (Cat. no. 559354).

Suggested Companion Products

Catalog Number	Name	Size	Clone
556969	Purified Rat Anti-Mouse IgA	0.5 mg	C10-3
559354	FITC Rat Anti-Mouse IgA	0.5 mg	C10-3

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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