

Technical Data Sheet

Biotin Mouse Anti-Mouse IgD[b]

Product Information

Material Number:	553509
Alternate Name:	Igh-5b
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	217-170
Immunogen:	Not reported
Isotype:	Mouse (BALB/c) IgG1, κ
Reactivity:	QC Testing: Mouse
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

Description

The 217-170 antibody reacts specifically with mouse IgD of *Igh-C[b]* haplotype (eg, C57BL/6, C57BL/10, SJL). It does not react with IgD of *Igh-C[a]* or related haplotypes (eg, BALB/c, AKR, CBA, C3H/He, C58, DBA/1, DBA/2, NZB, PL, RIII), or *Igh-C[e]* haplotype (eg, A). 217-170 antibody is effective for detection of cell-surface Ig by immunofluorescent staining with flow cytometric analysis. It 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. Store undiluted at 4° C and protected from prolonged exposure to light. Do not freeze.

Application Notes

Application

Flow cytometry	Routinely Tested
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Suggested Companion Products

Catalog Number	Name	Size	Clone
550615	Biotin Mouse IgG1 κ Isotype Control	0.25 mg	MOPC-31C
554060	FITC Streptavidin	0.5 mg	(none)

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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