

Technical Data Sheet

FITC Mouse Anti-Mouse IgD[b]

Product Information

Material Number:	553510
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.

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
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Suggested Companion Products

Catalog Number	Name	Size	Clone
550616	FITC 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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