

## Technical Data Sheet

## FITC Mouse Anti-Mouse IgD[a]

## Product Information

Material Number:	553507
Alternate Name:	Igh-5a, Igh-5.4
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	AMS 9.1
Immunogen:	BALB/c mouse splenocytes
Isotype:	Mouse (SJL) IgG2b, $\kappa$
Reactivity:	QC Testing: Mouse
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

## Description

The AMS 9.1 antibody reacts specifically with the Fc portion of mouse IgD of *Igh C[a]* haplotype (eg, AKR, BALB/c, CBA, C3H/He, C58, DBA/1, DBA/2, NZB). It does not react with IgD of *Igh-C[b]* or *Igh-C[e]* haplotypes (eg, C57BL/6, C57BL/10, SJL, A). AMS 9.1 mAb is effective for detection of cell-surface Ig by immunofluorescent staining with flow cytometric analysis. It has been reported 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
559532	FITC Mouse IgG2b, $\kappa$ Isotype Control	0.25 mg	MPC-11

## 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](http://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.

## References

Goroff DK, Stall A, Mond JJ, Finkelman FD. In vitro and in vivo B lymphocyte-activating properties of monoclonal anti-delta antibodies. I. Determinants of B lymphocyte-activating properties. *J Immunol.* 1986; 136(7):2382-2392.(Clone-specific: Immunoprecipitation, Stimulation)

Stall AM, Loken MR. Allotypic specificities of murine IgD and IgM recognized by monoclonal antibodies. *J Immunol.* 1984; 132(2):787-795.(Clone-specific: Immunofluorescence)

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