Technical Data Sheet

FITC Mouse Anti-Mouse I-A[d]

Product Information

Material Number:	**562013**
Size:	50 µg
Concentration:	0.5 mg/ml
Clone:	AMS-32.1
Immunogen:	BALB/c mouse splenocytes
Isotype:	Mouse (SJL) IgG2b, κ
Reactivity:	QC Testing: Mouse
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The AMS-32.1 antibody reacts with the I-A[d] MHC class II alloantigen. It cross-reacts with cells from mice of the H-2[f], H-2[g7], H-2[i], and H-2[v] haplotypes. Reactivity with other haplotypes (e.g., k, p, q, r, s, u) has not been observed.

Preparation and Storage

Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

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.

Application Notes

Application

Flow cytometry	Routinely Tested

Suggested Companion Products

Catalog Number	Name	Size	Clone
559532	FITC Mouse IgG2b, κ Isotype Control	0.25 mg	MPC-11
554656	Stain Buffer (FBS)	500 ml	(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.
4. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at www.bdbiosciences.com/colors.
5. An isotype control should be used at the same concentration as the antibody of interest.

References

Loken MR, Stall AM. Flow cytometry as an analytical and preparative tool in immunology. *J Immunol Methods.* 1982; 50(3):R85-R112. (Immunogen: Flow cytometry)

Ridgway WM, Ito H, Fasso M, Yu C, Fathman CG. Analysis of the role of variation of major histocompatibility complex class II expression on nonobese diabetic (NOD) peripheral T cell response. *J Exp Med.* 1998; 188(12):2267-2275. (Biology)

Wall KA, Lorber MI, Loken MR, McClatchey S, Fitch FW. Inhibition of proliferation of MIs- and Ia-reactive cloned T cells by a monoclonal antibody against a determinant shared by I-A and I-E. *J Immunol.* 1983; 131(3):1056-1064. (Clone-specific)

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