Technical Data Sheet

FITC Mouse Anti-Mouse I-A[d]

Product Information

Material Number:	**553547**
Size:	0.5 mg
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.

This antibody is routinely tested by flow cytometric analysis. Other applications were tested at BD Biosciences Pharmingen during antibody development only or reported in the literature.

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

Suggested Companion Products

Catalog Number	Name	Size	Clone
559532	FITC Mouse IgG2b, κ 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 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

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)

BD Biosciences

www.bdbiosciences.com

United States	Canada	Europe	Japan	Asia Pacific	Latin America/Caribbean
877.232.8995	888.259.0187	32.53.720.550	0120.8555.90	65.6861.0633	55.11.5185.9995

For country-specific contact information, visit **www.bdbiosciences.com/how_to_order/**