Technical Data Sheet

Purified Mouse Anti-Mouse I-A[d]

Product Information

Material Number:	**553545**
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.

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Store undiluted at 4° C.

Application Notes

Application

Flow cytometry	Routinely Tested
Blocking	Reported

Recommended Assay Procedure:

For immunohistochemical staining, we recommend the use of biotinylated AMS-32.1 mAb in our special formulation for immunohistochemistry, Cat. No. 550554.

Suggested Companion Products

Catalog Number	Name	Size	Clone
557351	Purified Mouse IgG2b, κ Isotype Control	0.5 mg	MPC-11
555988	FITC Goat Anti-Mouse IgG/IgM	0.5 mg	Polyclonal

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. Sodium azide is a reversible inhibitor of oxidative metabolism; therefore, antibody preparations containing this preservative agent must not be used in cell cultures nor injected into animals. Sodium azide may be removed by washing stained cells or plate-bound antibody or dialyzing soluble antibody in sodium azide-free buffer. Since endotoxin may also affect the results of functional studies, we recommend the NA/LE (No Azide/Low Endotoxin) antibody format, if available, for in vitro and in vivo use.

References

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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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