

Technical Data Sheet

Biotin Mouse Anti-Mouse I-A[d]

Product Information

Material Number:	553546
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 $\leq 0.09\%$ 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 biotin under optimum conditions, and unreacted biotin was removed.

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

Application Notes

Application

Flow cytometry	Routinely Tested
Immunohistochemistry-frozen	Reported

Recommended Assay Procedure:

For IHC, 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
559531	Biotin Mouse IgG2b, κ Isotype Control	0.25 mg	MPC-11
554061	PE Streptavidin	0.5 mg	(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.

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)
 Matsumoto S, Setoyama H, Umesaki Y. Differential induction of major histocompatibility complex molecules on mouse intestine by bacterial colonization. *Gastroenterology*. 1992; 103(6):1777-1782.(Clone-specific: Immunohistochemistry)
 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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