

Technical Data Sheet

Biotin Mouse Anti-Mouse I-A[b]**Product Information**

Material Number:	553607
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	KH74
Immunogen:	KH74 C57BL/10 mouse skin graft and splenocytes
Isotype:	Mouse (BALB/c) IgG2a, κ
Reactivity:	QC Testing: Mouse
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

Description

The KH74 antibody reacts with the I-A[b] MHC class II alloantigen. It cross-reacts with the I-A[f], I-A[r], I-A[s], and I-A[v]. Reactivity with other haplotypes (e.g., a, d, k, n, p, q, u) has not been observed.

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
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Recommended Assay Procedure:

For IHC of I-A[b]-expressing cells, we recommend the use of biotinylated mAb AF6-120.1 in our special formulation for immunohistochemistry, Cat. no. 550553.

Suggested Companion Products

Catalog Number	Name	Size	Clone
550553	Biotin Mouse Anti-Mouse I-A[b]	1.0 ml	AF6-120.1
553455	Biotin Mouse IgG2a, κ Isotype Control	0.25 mg	G155-178
554060	FITC 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

Hasenkrug KJ, Cory JM, Stimpfling JH. Monoclonal antibodies defining mouse tissue antigens encoded by the H-2 region. *Immunogenetics*. 1987; 25(2):136-139. (Immunogen)

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