

Technical Data Sheet

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

Material Number:	553614
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	KH116
Immunogen:	B10.Q mouse skin and splenocytes
Isotype:	Mouse (BALB/c) IgG2b, κ
Reactivity:	QC Testing: Mouse
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

Description

The KH116 antibody reacts with the I-A[q] MHC class II alloantigen. It cross-reacts with I-A[s] and I-A[v].¹ Reactivity with other haplotypes (e.g., a, b, d, f, k, n, p, r, 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.

Application Notes**Application**

Flow cytometry	Routinely Tested
Immunohistochemistry-frozen	Tested During Development

Suggested Companion Products

<u>Catalog Number</u>	<u>Name</u>	<u>Size</u>	<u>Clone</u>
559531	Biotin Mouse IgG2b, κ Isotype Control	0.25 mg	MPC-11
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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