

## Technical Data Sheet

## Biotin Mouse Anti-Mouse H-2D[b]

## Product Information

Material Number:	553572
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	KH95
Immunogen:	C57BL/10 mouse skin graft and splenocytes
Isotype:	Mouse (BALB/c) IgG2b, $\kappa$
Reactivity:	QC Testing: Mouse
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

## Description

The KH95 antibody reacts with the H-2D[b] MHC class I alloantigen. Reactivity with other haplotypes (e.g., *a*, *d*, *f*, *k*, *n*, *p*, *q*, *r*, *s*, *u*, *v*) 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 immunohistochemical staining of cells expressing MHC class I antigen of the *b* haplotype, we recommend the use of biotin anti-mouse H-2K[b] mAb AF6-88.5 in our special formulation for immunohistochemistry, Cat. No. 550550.

## Suggested Companion Products

Catalog Number	Name	Size	Clone
559531	Biotin Mouse IgG2b, $\kappa$ 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](http://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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