

## Technical Data Sheet

## Biotin Mouse Anti-Mouse I-E[κ]

## Product Information

<b>Material Number:</b>	<b>558845</b>
<b>Size:</b>	0.1 mg
<b>Concentration:</b>	0.5 mg/ml
<b>Clone:</b>	17-3-3
<b>Immunogen:</b>	C3H mouse skin graft and splenocytes
<b>Isotype:</b>	Mouse (C3H.SW) IgG2a, κ
<b>Reactivity:</b>	QC Testing: Mouse
<b>Storage Buffer:</b>	Aqueous buffered solution containing ≤0.09% sodium azide.

## Description

The 17-3-3 antibody reacts with the I-Ek MHC class II alloantigen. It cross-reacts with cells from mice of the H-2r haplotype; reactivity with haplotypes d and p has not been observed. Cells from mice of the H-2b, H-2f, H-2g7, H-2q, and H-2s haplotypes do not express I-E antigen.

## 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

## Suggested Companion Products

Catalog Number	Name	Size	Clone
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](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

Hattori M, Buse JB, Jackson RA, et al. The NOD mouse: recessive diabetogenic gene in the major histocompatibility complex. *Science*. 1986; 231(4739):733-735. (Biology)

Klein J. Mutations in H-2E loci. In: Klein J. *Natural History of the Major Histocompatibility Complex*. New York: John Wiley & Sons; 1986:216-218. (Biology)

Ozato K, Mayer N, Sachs DH. Hybridoma cell lines secreting monoclonal antibodies to mouse H-2 and Ia antigens. *J Immunol*. 1980; 124(2):533-540. (Immunogen)

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