

Technical Data Sheet

Biotin Mouse Anti-Mouse I-A[k]

Product Information

Material Number:	558794
Alternate Name:	A α [k]
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	11-5.2
Immunogen:	CKB mouse splenocytes
Isotype:	Mouse (BALB/c) IgG2b, κ
Reactivity:	QC Testing: Mouse
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

Description

The 11-5.2 antibody reacts with the α chain of the I-A[k] MHC class II alloantigen. It cross-reacts with cells from mice of the H-2[r] haplotype. mAb 11-5.2 recognizes the Ia.19 determinant, and its reactivity is dependent upon the presence of Glu at position 75 of the A α chain. Reactivity with other H-2 haplotypes (*e.g.*, *b*, *d*, *f*, *p*, *q*, *s*) 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
Immunohistochemistry-frozen	Tested During Development

Suggested Companion Products

Catalog Number	Name	Size	Clone
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

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 Landais D, Marchetto S, Waltzinger C, Pierres M, Benoist C, Mathis D. Slot-machine mutagenesis of a polymorphic residue on the A kappa alpha-chain. *J Immunol.* 1988; 141(2):667-671.(Biology)
 Landais D, Beck BN, Buerstedde JM, et al.. The assignment of chain specificities for anti-Ia monoclonal antibodies using L cell transfectants. *J Immunol.* 1986; 137(9):3002-3005.(Biology)
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