

## Technical Data Sheet

## PE Mouse Anti-Mouse I-A[b]

## Product Information

Material Number:	553552
Size:	0.1 mg
Concentration:	0.2 mg/ml
Clone:	AF6-120.1
Immunogen:	Mouse C57BL/10J
Isotype:	Mouse (BALB/c) IgG2a, $\kappa$
Reactivity:	QC Testing: Mouse
Storage Buffer:	Aqueous buffered solution containing $\leq 0.09\%$ sodium azide.

## Description

The AF6-120.1 antibody reacts with the I-A[b] MHC class II alloantigen. It cross-reacts with cells from mice of the H-2[k] and H-2[u] haplotypes. Reactivity with other haplotypes (e.g., *d, f, g7, p, q, r, 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 R-PE under optimum conditions, and unconjugated antibody and free PE were 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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## Suggested Companion Products

Catalog Number	Name	Size	Clone
553457	PE Mouse IgG2a, $\kappa$ Isotype Control	0.1 mg	G155-178

## 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

Beck BN, Buerstedde JM, Krco CJ, Nilson AE, Chase CG, McKean DJ. Characterization of cell lines expressing mutant I-Ab and I-Ak molecules allows the definition of distinct serologic epitopes on A alpha and A beta polypeptides. *J Immunol.* 1986; 136(8):2953-2961. (Clone-specific: Flow cytometry)

Cohn LE, Glimcher LH, Waldmann RA, et al. Identification of functional regions on the I-Ab molecule by site-directed mutagenesis. *Proc Natl Acad Sci U S A.* 1986; 83(3):747-751. (Clone-specific: Flow cytometry)

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)

Nabozny GH, Baisch JM, Cheng S, et al. HLA-DQ8 transgenic mice are highly susceptible to collagen-induced arthritis: a novel model for human polyarthritis. *J Exp Med.* 1996; 183(1):27-37. (Clone-specific: Flow cytometry)

Wall KA, Lorber MI, Loken MR, McClatchey S, Fitch FW. Inhibition of proliferation of Mls- and Ia-reactive cloned T cells by a monoclonal antibody against a determinant shared by I-A and I-E. *J Immunol.* 1983; 131(3):1056-1064. (Clone-specific: Flow cytometry)

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