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, κ
Reactivity:	QC Testing: Mouse
Storage Buffer:	Aqueous buffered solution containing ≤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

Suggested Companion Products

Catalog Number	Name	Size	Clone
553457	PE Mouse IgG2a, κ 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 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 MIs- 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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