

Technical Data Sheet

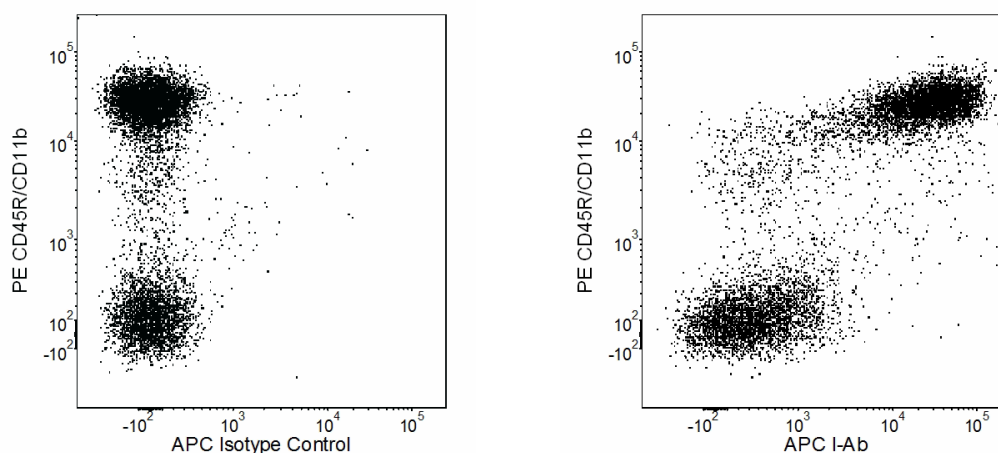
APC Mouse Anti-Mouse I-A[b]

Product Information

Material Number:	562823
Alternate Name:	Mouse MHC/H2 class II histocompatibility antigen, I-Ab
Size:	50 µg
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.



Multicolor flow cytometric analysis of I-A[b] expression on C57BL/6 mouse splenocytes. Splenic leucocytes were stained simultaneously with PE Rat anti-Mouse CD45R (Cat. No. 553090/553089/561878) and PE Rat anti-Mouse CD11b (Cat. No. 553311/557397/561689) antibodies and with either APC Mouse IgG2a, κ Isotype Control (Cat. No. 550882; Left Panel) or APC Mouse anti-Mouse I-A[b] antibody (Cat. No. 562823; Right Panel). Two-color flow cytometric dot plots show the correlated expression patterns of I-A[b] (or Ig Isotype control staining) versus CD45R and CD11b for gated events with the forward and side light-scatter characteristics of viable splenic leucocytes. Flow cytometry was performed using a BD™ LSR II Flow Cytometer System.

Preparation and Storage

Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

The antibody was conjugated to APC under optimum conditions, and unconjugated antibody and free APC were removed.

Application Notes

Application

Flow cytometry	Routinely Tested
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Suggested Companion Products

Catalog Number	Name	Size	Clone
550882	APC Mouse IgG2a κ Isotype Control	0.1 mg	G155-178
554656	Stain Buffer (FBS)	500 ml	(none)
555899	Lysing Buffer	100 ml	(none)

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553090	PE Rat Anti-Mouse CD45R/B220	0.2 mg	RA3-6B2
553089	PE Rat Anti-Mouse CD45R/B220	0.1 mg	RA3-6B2
561878	PE Rat Anti-Mouse CD45R/B220	25 µg	RA3-6B2
553311	PE Rat Anti-Mouse CD11b	0.2 mg	M1/70
557397	PE Rat Anti-Mouse CD11b	0.1 mg	M1/70
561689	PE Rat Anti-Mouse CD11b	25 µg	M1/70

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. An isotype control should be used at the same concentration as the antibody of interest.
3. Please refer to www.bdbiosciences.com/pharminggen/protocols for technical protocols.
4. 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.
5. This APC-conjugated reagent can be used in any flow cytometer equipped with a dye, HeNe, or red diode laser.
6. For fluorochrome spectra and suitable instrument settings, please refer to our Multicolor Flow Cytometry web page at www.bdbiosciences.com/colors.

References

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- 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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