

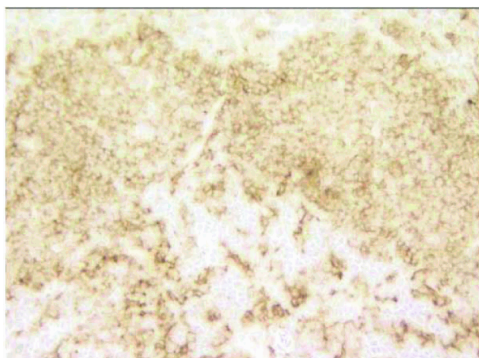
Technical Data Sheet

Biotin Mouse Anti-Mouse I-A[b]**Product Information**

Material Number:	550553
Size:	1.0 ml
Concentration:	62.5 µg/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 BSA, goat serum, and ≤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.



Immunohistochemical staining for mouse I-A[b]. Frozen sections of mouse spleen were stained with AF6-120.1 antibody. Cells expressing I-A[b] can be identified by the brown staining on cell membranes. Magnification 20X.

Preparation and Storage

Store undiluted at 4°C.

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

Application Notes**Application**

Flow cytometry	Routinely Tested
Immunohistochemistry-frozen	Tested During Development
Immunohistochemistry-paraffin	Not Recommended

Recommended Assay Procedure:

Immunohistochemistry: The AF6-120.1 clone reactive against mouse I-A[b] is recommended to test for immunohistochemical staining of acetone-fixed frozen sections. Tissues tested were mouse (C57BL/6) spleen and thymus. The antibody stains the I-A[b] molecules found on the surface of cells expressing MHC-II in strains of mice expressing this haplotype. For optimal immunohistochemical staining, AF6-120.1 antibody should be titrated (1:10 to 1:50 dilution) and developed with Streptavidin-HRP (Cat. No. 550946) together with the DAB detection system (Cat. No. 550880). The clone AF6-120.1 is not recommended for formalin-fixed paraffin embedded sections.

Suggested Companion Products

<u>Catalog Number</u>	<u>Name</u>	<u>Size</u>	<u>Clone</u>
550946	Streptavidin HRP	50 ml	(none)
550880	DAB Substrate Kit	500 tests	(none)
559148	Antibody Diluent for IHC	125 ml	(none)
553455	Biotin Mouse IgG2a, κ Isotype Control	0.25 mg	G155-178

Product Notices

- Since applications vary, each investigator should titrate the reagent to obtain optimal results.
- 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.

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3. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
4. This antibody has been developed for the immunohistochemistry application. However, a routine immunohistochemistry test is not performed on every lot. Researchers are encouraged to titrate the reagent for optimal performance.
5. An isotype control should be used at the same concentration as the antibody of interest.
6. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.

References

BD Biosciences Pharmingen. Unpublished results. . (Biology)

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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. (Biology)

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