Technical Data Sheet

Biotin Mouse Anti-Mouse H-2Kb

Product Information

Material Number:	**553568**
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	AF6-88.5
Immunogen:	Mouse C57BL splenocytes
Isotype:	Mouse (BALB/c) IgG2a, κ
Reactivity:	QC Testing: Mouse
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The AF6-88.5 antibody reacts with the H-2Kb MHC class I alloantigen. Reactivity with other haplotypes (e.g., d, f, j, k, p, q, r, s, u, v) has not been observed.

Preparation and Storage

The antibody was conjugated with biotin under optimum conditions, and unreacted biotin was removed.
The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

Application Notes

Application

Flow cytometry	Routinely Tested

Recommended Assay Procedure:

A different format of the AF6-88.5 clone reactive against mouse H-2Kb is available for immunohistorical staining of acetone-fixed frozen sections, Cat. No. 550550. Please refer to the TDS Cat. No. 550550 for more detail information. The clone AF6-88.5 is not recommended for formalin-fixed paraffin embedded sections.

Suggested Companion Products

Catalog Number	Name	Size	Clone
550550	Biotin Mouse Anti-Mouse H-2K[b]	1.0 ml	AF6-88.5
554061	PE Streptavidin	0.5 mg	(none)
553455	Biotin Mouse IgG2a, κ Isotype Control	0.25 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

Loken MR, Stall AM. Flow cytometry as an analytical and preparative tool in immunology. *J Immunol Methods.* 1982; 50(3):R85-R112. (Immunogen: 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)

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