

Technical Data Sheet

FITC Mouse Anti-Mouse H-2K[d]

Product Information

Material Number:	553565
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	SF1-1.1
Immunogen:	BALB/c mouse cells
Isotype:	Mouse (SJL) IgG2a, κ
Reactivity:	QC Testing: Mouse
Storage Buffer:	Aqueous buffered solution containing protein stabilizer and $\leq 0.09\%$ sodium azide.

Description

The SF1-1.1 antibody reacts with the $\alpha 3$ domain of the H-2K[d] MHC class I alloantigen. Reactivity with other haplotypes (e.g., *b, j, k, p, q, s, v*) has not been observed. It has been reported that plate-bound SF1-1.1 mAb moderately enhances the apoptotic response of thymocytes to plate-bound 145-2C11 mAb (anti-mouse CD3e, Cat. No. 557306/553058).

This antibody is routinely tested by flow cytometric analysis. Other applications were tested at BD Biosciences Pharmingen during antibody development only or reported in the literature.

Preparation and Storage

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

The antibody was conjugated with FITC under optimum conditions, and unreacted FITC was 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
553456	FITC 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

Abastado JP, Casrouge A, Kourilsky P. Differential role of conserved and polymorphic residues of the binding groove of MHC class I molecules in the selection of peptides. *J Immunol.* 1993; 151(7):3569-3575. (Clone-specific)

Noun G, Reboul M, Abastado JP, Jaulin C, Kourilsky P, Pla M. Alloreactive monoclonal antibodies select Kd molecules with different peptide profiles. *J Immunol.* 1996; 157(6):2455-2461. (Clone-specific)

Zhao Y, Iwata M. Cross-linking of the TCR-CD3 complex with CD4, CD8 or LFA-1 induces an anti-apoptotic signal in thymocytes: the signal is canceled by FK506. *Int Immunol.* 1995; 7(9):1387-1396. (Biology)

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