Technical Data Sheet

Purified Mouse Anti-Mouse I-E[k]

Product Information

558734 **Material Number:** 0.1 mg 0.5 mg/ml **Concentration:** 14-4-4S Clone:

C3H mouse skin graft and splenocytes Immunogen:

Mouse (C3H.SW) IgG2a, κ Isotype:

QC Testing: Mouse Reactivity:

Reported: Rat

Aqueous buffered solution containing ≤0.09% sodium azide. Storage Buffer:

Description

The 14-4-4S antibody reacts with the I-E[k] MHC class II alloantigen. It cross-reacts with cells from mice of the H-2[d], H-2[p], and H-2[r] haplotypes. Cells from mice of the H-2[b], H-2[f], H-2[g7], H-2[q], and H-2[s] haplotypes do not express I-E antigen. It has been reported that mAb 14-4-4S cross-reacts with the rat MHC class II antigen RT1D.

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. Store undiluted at 4° C.

Application Notes

Application

Аррисации		
Flow cytometry	Routinely Tested	
Cytotoxicity	Reported	
Immunoprecipitation	Reported	
Induction	Reported	
Blocking	Reported	

Suggested Companion Products

Catalog Number	Name	Size	Clone
553454	Purified Mouse IgG2a κ Isotype Control	0.5 mg	G155-178
555988	FITC Goat Anti-Mouse IgG/IgM	0.5 mg	Polyclonal

Product Notices

- Since applications vary, each investigator should titrate the reagent to obtain optimal results.
- Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
- 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.
- Sodium azide is a reversible inhibitor of oxidative metabolism; therefore, antibody preparations containing this preservative agent must not be used in cell cultures nor injected into animals. Sodium azide may be removed by washing stained cells or plate-bound antibody or dialyzing soluble antibody in sodium azide-free buffer. Since endotoxin may also affect the results of functional studies, we recommend the NA/LETM (No Azide/Low Endotoxin) antibody format, if available, for in vitro and in vivo use.

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