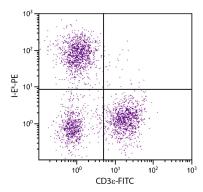




Mouse Anti-Mouse I-Ek

Cat. No.	Format	Size
1897-01	Purified (UNLB)	0.5 mg
1897-02	Fluorescein (FITC)	0.5 mg
1897-08	Biotin (BIOT)	0.5 mg
1897-09	R-phycoerythrin (PE)	0.1 mg
1897-14	Low Endotoxin, Azide-Free (LE/AF)	0.5 mg



AKR mouse splenocytes were stained with Mouse Anti-Mouse I-E k -PE (SB Cat. No. 1897-09) and Rat Anti-Mouse CD3 ϵ -FITC (SB Cat. No. 1535-02).

Overview

Clone 14-4-4S

 $\textbf{Isotype} \hspace{1cm} \textbf{Mouse (C3H.SW) IgG}_{2a\kappa}$

Immunogen C3H mouse skin graft and splenocytes

Specificity Mouse I-E^k/Rat RT1D

Alternate Name(s) MHC Class II

Description

The monoclonal antibody 14-4-4S reacts with the I-E^k class II alloantigen on cells from mice of the H-2^d, H-2^f, and H-2^f haplotypes. Cells from mice of the H-2^f, H-2^f, H-2^f, and H-2^s haplotypes do not express I-E antigen. The antibody has been reported to cross-react with the rat MHC class II alloantigen RT1D.

Applications

FC – Quality tested ^{8,9} IHC-FS – Reported in literature ⁷ ICC – Reported in literature ⁶ IP – Reported in literature ^{2,3} CMCD – Reported in literature ¹ Activ – Reported in literature ⁴ Block – Reported in literature ⁵

Working Dilutions

Flow Cytometry FITC and BIOT conjugates $\leq 1 \mu g/10^6$ cells

PE conjugate $\leq 0.2 \mu g/10^6 \text{ cells}$

For flow cytometry, the suggested use of these reagents is in a final volume of 100 µL

Other Applications Since applications vary, you should determine the optimum working dilution for the product that is

appropriate for your specific need.

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Handling and Storage

- The purified (UNLB) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added. Store at 2-8°C.
- The fluorescein (FITC) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The low endotoxin, azide-free (LE/AF) antibody is supplied as 0.5 mg purified immunoglobulin in 1.0 mL of PBS. Contains no
 preservative; handle under aseptic conditions. Store at 2-8°C or aliquot into smaller volumes and store at -20°C. Avoid multiple
 freeze / thaw cycles.
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

Warning

Some reagents contain sodium azide. Please refer to product specific SDS.

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