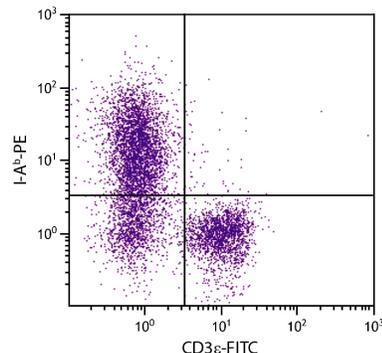




Mouse Anti-Mouse I-A^b

Cat. No.	Format	Size
1896-01	Purified (UNLB)	0.5 mg
1896-08	Biotin (BIOT)	0.5 mg
1896-09	R-phycoerythrin (PE)	0.1 mg



C57BL/6 mouse splenocytes were stained with Mouse Anti-Mouse I-A^b-PE (SB Cat. 1896-09) and Rat Anti-Mouse CD3 ϵ -FITC (SB Cat. No. 1535-02).

Overview

Clone	25-9-3
Isotype	Mouse (C3H) IgM κ
Immunogen	C3H.SW mouse splenocytes
Specificity	Mouse I-A ^b
Alternate Name(s)	MHC Class II

Description

The monoclonal antibody 25-9-3 reacts specifically with the I-A^b haplotype of MHC Class II molecules. Class II antigens are predominantly expressed on antigen-presenting cells including B lymphocytes, macrophages, dendritic cells, and certain epithelial cells.

Applications

FC – Quality tested
 IHC-FS – Reported in literature ²
 CMCD – Reported in literature ³⁻⁶

Working Dilutions

Flow Cytometry	BIOT conjugate	$\leq 1 \mu\text{g}/10^6$ cells
	PE conjugate	$\leq 0.2 \mu\text{g}/10^6$ 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.

For Research Use Only. Not for Diagnostic or Therapeutic Use.

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 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!**
- 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.

References

1. Ozato K, Sachs DH. Monoclonal antibodies to mouse MHC antigens. III. Hybridoma antibodies reacting to antigens of the H-2^b haplotype reveal genetic control of isotype expression. *J Immunol.* 1981;126:317-21. (Immunogen)
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3. Sperling AI, Green JM, Mosley RL, Smith PL, DiPaolo RJ, Klein JR, et al. CD43 is a murine T cell costimulatory receptor that functions independently of CD28. *J Exp Med.* 1995;182:139-46. (CMCD)
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6. Rulifson IC, Szot GL, Palmer E, Bluestone JA. Inability to induce tolerance through direct antigen presentation. *Am J Transplant.* 2002;2:510-9. (CMCD)