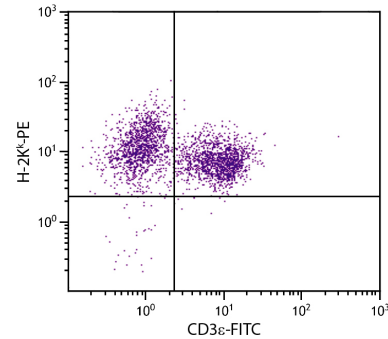




Mouse Anti-Mouse H-2K^k

Cat. No.	Format	Size
1916-01	Purified (UNLB)	0.5 mg
1916-02	Fluorescein (FITC)	0.5 mg
1916-08	Biotin (BIOT)	0.5 mg
1916-09	R-phycoerythrin (PE)	0.1 mg



AKR mouse splenocytes were stained with Mouse Anti-Mouse H-2K^k-PE (SB Cat. No. 1916-09) and Rat Anti-Mouse CD3ε-FITC (SB Cat. No. 1535-02).

Overview

Clone	16-3-22S
Isotype	Mouse (C3H.SW) IgG _{2a} K
Immunogen	C3H mouse splenocytes
Specificity	Mouse H-2K ^k
Alternate Name(s)	MHC Class I

Description

The monoclonal antibody 16-3-22S reacts with the H-2K^k MHC class I alloantigen. Cross-reactivity with splenocytes of SJL/Hsd mice has been observed by flow cytometry. The antibody does not react with other (e.g., *b*, *d*, *q*) haplotypes.

Applications

FC – Quality tested ³
 IP – Reported in literature ²
 CMCD – Reported in literature ¹

Working Dilutions

Flow Cytometry	FITC and BIOT conjugates	≤ 1 µg/10 ⁶ cells
	PE conjugate	≤ 0.2 µg/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 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!**
- 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 (M)SDS.

References

1. Ozato K, Mayer N, Sachs DH. Hybridoma cell lines secreting monoclonal antibodies to mouse H-2 and Ia antigens. J Immunol. 1980;124:533-40. (Immunogen, CMCD)
2. Hedley ML, Ozato K, Maryanski J, Tucker PW, Forman J. Expression of mutant H-2^d proteins encoded by class I genes which alternatively process the 5' end of their transcripts. J Immunol. 1989;143:1026-31. (IP)
3. Ponta H, Ball R, Steinmetz M, Groner B. Hormonal regulation of cell surface expression of the major histocompatibility antigen H-2L^d in transfected cells. EMBO J. 1985;4:3447-53. (FC)