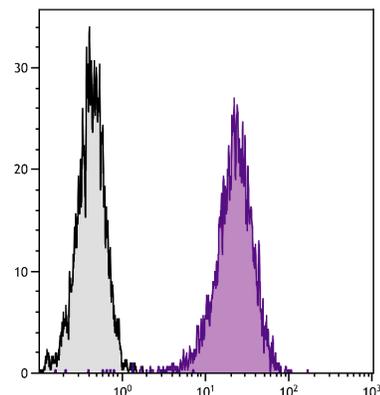




Mouse Anti-Mouse H-2K^k

Cat. No.	Format	Size
1917-01	Purified (UNLB)	0.5 mg
1917-02	Fluorescein (FITC)	0.5 mg
1917-08	Biotin (BIOT)	0.5 mg
1917-09	R-phycoerythrin (PE)	0.1 mg



AKR mouse splenocytes were stained with Mouse Anti-Mouse H-2K^k-FITC (SB Cat. No. 1917-02).

Overview

Clone	36-7-5
Isotype	Mouse (A.TL) IgG _{2a} ^k
Immunogen	A.AL mouse splenocytes
Specificity	Mouse H-2K ^k
Alternate Name(s)	MHC Class I

Description

The monoclonal antibody 36-7-5 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
 IHC-FS – Reported in literature ²

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.

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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!**
- 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. Sachs DH, Mayer N, Ozato K. Hybridoma antibodies directed toward murine H-2 and Ia antigens. In: Hämmerling GJ, Hämmerling U, Kearney JF, editors. Monoclonal antibodies and T-cell hybridomas. Amsterdam: Elsevier; 1981. p.95-101 (Immunogen)
2. Ardehali A, Laks H, Drinkwater DC, Ziv E, Drake TA, . Vascular cell adhesion molecule-1 is induced on vascular endothelia and medial smooth muscle cells in experimental cardiac allograft vasculopathy. *Circulation*. 1995;92:450-6. (IHC-FS)
3. Sykes M, Harty MW, Karhofer FM, Pearson DA, Szot G, Yokoyama W. Hematopoietic cells and radioresistant host elements influence natural killer cell differentiation. *J Exp Med*. 1993;178:223-9. (FC)