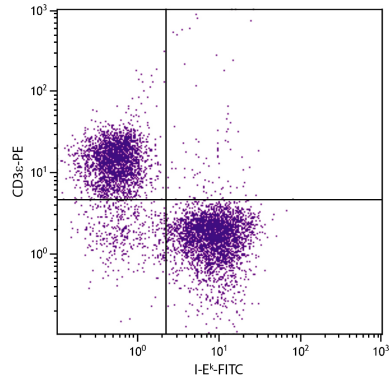




## Mouse Anti-Mouse I-E<sup>k</sup>

Cat. No.	Format	Size
1898-01	Purified (UNLB)	0.5 mg
1898-02	Fluorescein (FITC)	0.5 mg
1898-08	Biotin (BIOT)	0.5 mg
1898-09	R-phycoerythrin (PE)	0.1 mg



AKR mouse splenocytes were stained with Mouse Anti-Mouse I-E<sup>k</sup>-FITC (SB Cat. No. 1898-02) and Rat Anti-Mouse CD3<sub>ε</sub>-PE (SB Cat. No. 1535-09).

### Overview

<b>Clone</b>	17-3-3 (17-3-3S)
<b>Isotype</b>	Mouse (C3H.SW) IgG <sub>2a</sub> K
<b>Immunogen</b>	C3H mouse skin graft and splenocytes
<b>Specificity</b>	Mouse I-E <sup>k</sup>
<b>Alternate Name(s)</b>	MHC Class II

### Description

The monoclonal antibody 17-3-3 reacts with the I-E<sup>k</sup> class II alloantigen on cells from mice of the H-2<sup>f</sup> haplotype. Reactivity with H-2<sup>d</sup> and H-2<sup>b</sup> haplotypes has not been observed. Cells from mice of the H-2<sup>b</sup>, H-2<sup>f</sup>, H-2<sup>g</sup>, H-2<sup>q</sup>, and H-2<sup>s</sup> haplotypes do not express I-E antigen.

### Applications

FC – Quality tested <sup>3</sup>  
 IHC-FS – Reported in literature <sup>2</sup>  
 CMCD – Reported in literature <sup>1</sup>

### Working Dilutions

<b>Flow Cytometry</b>	FITC and BIOT conjugates	≤ 1 µg/10 <sup>6</sup> cells
	PE conjugate	≤ 0.2 µg/10 <sup>6</sup> cells
	For flow cytometry, the suggested use of these reagents is in a final volume of 100 µL	
<b>Other Applications</b>	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

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- 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/NaN<sub>3</sub>. Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN<sub>3</sub>. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN<sub>3</sub> 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

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

## References

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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. Colson YL, Lange J, Fowler K, Ildstad ST. Mechanism for cotolerance in nonlethally conditioned mixed chimeras: negative selection of the Vbeta T-cell receptor repertoire by both host and donor bone marrow-derived cells. Blood. 1996;88:4601-10. (IHC-FS)
3. Anderson GD, David CS. In vivo expression and function of hybrid Ia dimers (E<sub>a</sub>A<sub>β</sub>) in recombinant and transgenic mice. J Exp Med. 1989;170:1003-8. (FC)