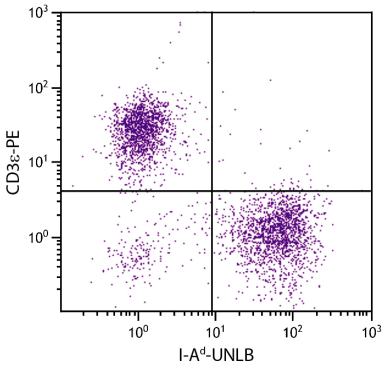
SouthernBiotech

Mouse Anti-Mouse I-A^d

Cat. No.	Format	Size
1901-01	Purified (UNLB)	0.5 mg



BALB/c mouse splenocytes were stained with Mouse Anti-Mouse I-A^d-UNLB (SB Cat. No. 1901-01) and Rat Anti-Mouse CD3ε-PE (SB Cat. No. 1535-09) followed by Goat Anti-Mouse IgG$_{2a}$, Human ads-FITC (SB Cat. No. 1080-02).

Overview

Clone	34-5-3
Isotype	Mouse (C3H) IgG$_{2a}$κ
Immunogen	(C57BL/6 x DBA/2)F1 mouse splenocytes
Specificity	Mouse I-A^d
Alternate Name(s)	MHC Class II, I-β^d, I-A^b, H2-I/Adβ

Description

The monoclonal antibody 34-5-3 reacts with the β chain of the I-A^d MHC class II alloantigen. It cross-reacts with I-A^b and with cells from mice of the H-2^p and H-2^q halotypes.

Applications

FC – Quality tested [5]
IP – Reported in literature [2]
Activ – Reported in literature [4]
Block – Reported in literature [3]
Cyto – Reported in literature [1]

Working Dilutions

Flow Cytometry	Purified (UNLB) antibody	≤ 1 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.

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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.
- Reagents are stable for the period shown on the label if stored as directed.

References

1. Ozato K, Mayer NM, Sachs DH. Monoclonal antibodies to mouse major histocompatibility complex antigens. IV. A series of hybridoma clones producing anti-H-2^d antibodies and an examination of expression of H-2^d antigens on the surface of these cells. Transplantation. 1982;34:113-9. (Immunogen, Cyto)
2. Bobé P, Benihoud K, Kiger N. Allogenic MHC class II determinant(s) in MRL-lpr autoimmune disease-prone mice. Unusual expression of an L1 transposable element creates molecular mimicry. J Immunol. 1993;151:2813-9. (IP)
3. Mozes E, Dayan M, Zisman E, Brocke S, Licht A, Pecht I. Direct binding of a myasthenia gravis related epitope to MHC class II molecules on living murine antigen-presenting cells. EMBO J. 1989;8:4049-52. (Block)
4. Bishop GA, Frelinger JA. Haplotype-specific differences in signaling by transfected class II molecules to a Ly-1^+ B-cell clone. Proc Natl Acad Sci USA. 1989;86:5933-7. (Activ)
5. Grusby MJ, Johnson RS, Papaioannou VE, Glimcher LH. Deletion of $CD4^+$ T cells in major histocompatibility complex class II-deficient mice. Science. 1991;253:1417-20. (FC)

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