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- Mindermengenzuschlag
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CEDARLANE[®]
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Conveniently Delivering You Today's Innovations
for the Science of Tomorrow™

**Anti-Mouse H-2D^d
Monoclonal Antibody**

Catalogue#	Format	Size	Concentration	Isotype Control
CL9009A	Ascites	0.5ml	NA	CLCMG2A00
CL9009AP	Purified	250µg	1.0 mg/ml	CLCMG2A00
CL9009B	Biotin	100µg	0.1 mg/ml	CLCMG2A15
CL9009F	FITC	100µg	0.1 mg/ml	CLCMG2A01
CL9009PE	PE	50µg	0.1 mg/ml	CLCR2A04
CL9009NA	No Azide	1.0mg	1.0 mg/ml	CLCMG2A00

Isotype: Mouse IgG_{2a}

DESCRIPTION:

Cedarlane anti-mouse H-2D^d monoclonal antibody is specific for cells expressing the H-2D antigen coded for by the d haplotype. The reaction pattern of this antibody with a panel of inbred and recombinant haplotypes demonstrates that the antibody detects a private determinant (H-2.m4) of the H-2D^d antigen. This antibody can be used to quantitate or eliminate cells bearing H-2D^d (H-2.4) antigen from the appropriate strains of mice. This clone has been reported to work in blocking experiments.

PRESENTATION:

Ascites: Lyophilized.

Purified: Purified IgG buffered in PBS and 0.02% NaN₃. (Purified from ascitic fluid via Protein G Chromatography). For maximum recovery of contents, spin down tube before use.

Biotin, FITC and PE: Biotin/FITC/PE conjugated IgG buffered in PBS, 0.02% NaN₃ and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml.

No Azide: Purified Ig buffered in PBS, no preservative, 0.2 µm sterile filtered.

STORAGE/STABILITY:

Store **Ascites** at -20°C. For all other formats, store at 4°C. **DO NOT FREEZE PE** conjugates. Handle NA format under aseptic conditions. For long term storage (**Purified, Biotin, FITC and NA**), aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

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1210 Turrentine Street, Burlington, NC 27215 ph: (336) 513-5135, fax: (336) 513-5138
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SPECIFICATIONS:

Clone: 34-5-8S

Hybridoma Production:

Immunization: Immunogen: (C57BL/6 x DBA/2) F1 hybrid mouse splenocytes.
Donor: C3H/HeJ spleen

Fusion Partner: SP2/0.Ag14

Specificity: Mouse H-2D^d, determinant H-2.4 (private)

Strains Tested: BALB/c, C57BL/6, CBA/J, C3H/He

Positive: BALB/c

Negative: C57BL/6, CBA/J, C3H/He

TEST RESULTS:

Mouse Strain: BALB/c

Cell Concentration: 1x10⁶ cells per test

Antibody Concentration: 0.5 µg /10⁶ cells

Cell Source

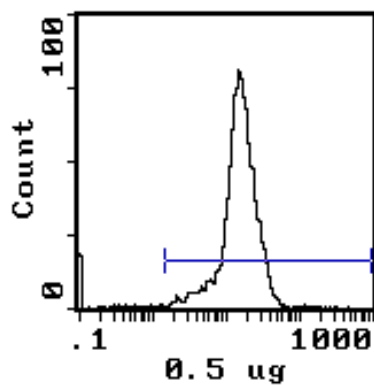
Thymus

Spleen

Percentage of cells stained above control:

40.7 %

98.3%



Cell source: Spleen

N.B. Appropriate control samples should always be included in any labelling studies.

*** For optimal results in various applications, it is recommended that each investigator determine dilutions appropriate for individual use.**

REFERENCES:

1. Ozato, K., Mayer, N.M., and David H. Sachs. 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. 34:113-120 (1982).
2. Ozato, K., et al. Proc. Natl. Acad. Sci. 80:2040-2043 (1983).

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