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Technically
Speaking

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

**Anti-Mouse H-2K^dD^d
Monoclonal Antibody**

Catalogue#	Format	Size	Concentration	Isotype Control
CL9023A	Ascites	0.5 ml	lyophilized	CLCMG2A00
CL9023AP	Purified	250µg	1.0 mg/ml	CLCMG2A00
CL9023B	Biotin	100µg	0.1 mg/ml	CLCMG2A15
CL9023F	FITC	100µg	0.1 mg/ml	CLCMG2A01
CL9023PE	PE	50µg	0.1 mg/ml	CLCMG2A04

Isotype: Mouse IgG_{2a}

DESCRIPTION:

Cedarlane anti H-2K^dD^d mAb reacts with both H-2K^d and H-2D^d products. The antibody also cross-reacts with K^{bsr}pq. This K-D cross reaction indicates the presence of shared specificities between the two separate H-2 regions.

PRESENTATION:

Ascites: 0.5 ml Lyophilized. Reconstitute with 0.5 ml of distilled water.

Purified: Purified IgG buffered in PBS and 0.02% NaN₃. (Purified from ascitic fluid via Protein G Chromatography).

Biotin/FITC/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.

STORAGE/STABILITY:

Lyophilized and reconstituted **ascites** should be stored at -20°C. Reconstituted ascites should be prepared as single use aliquots prior to freezing to minimize freeze/thaw cycles.

For all formats except ascites, store at 4°C. **DO NOT FREEZE PE** conjugates. For long term storage (**Purified, Biotin, FITC, No Azide**), aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

SPECIFICATIONS:

Clone: 34-1-2s

Hybridoma Production:

Immunization: Immunogen: BDF splenocytes
Donor: C3H spleen

Fusion Partner: Sp2/0-Ag14

Specificity: Mouse H-2K^dD^d

Continued Overleaf.....

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registered company.

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Strains Tested: BALB/c, C57BL/6, C3H/He, DBA/1, SJL, B10.M, A.TH, A.TL, B10.A(3R), P/J

Positive: BALB/c, DBA/1, SJL, A.TH, A.TL, B10.A(3R)

Negative: C3H/He, C57BL/6 (+/-), B10.M (+/-), P/J (+/-)

For a more detailed strain distribution - see reference 1.

TEST RESULTS:

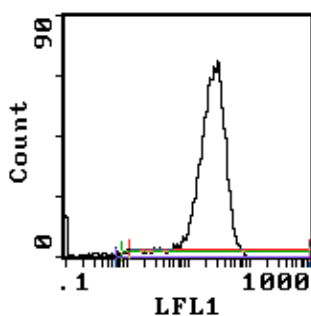
Distribution by Flow Cytometry Analysis:

Mouse Strain: BALB/c

Cell Concentration: 1×10^6 cells per test

Antibody Concentration Used: $0.5 \mu\text{g}/10^6$ cells

<u>Cell Source</u>	<u>Percentage of cells stained above control:</u>
Thymus	82.5%
Spleen	95.7%
Lymph Node	100%



Cell Source: Spleen

Percentage of cells stained above control: 95.7%

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

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

REFERENCES:

- 1) Ozato Keiko, Mayer Nanci M., Sachs D.H. Monoclonal antibodies to mouse major histocompatibility complex antigens. Transplantation 34:113-118, 1982.

FOR RESEARCH USE ONLY

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