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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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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-2D^b
Monoclonal Antibody**

Catalogue#	Format	Size	Concentration	Isotype Control
CL9001A	Ascites	0.5ml	NA	CLCMG2A00
CL9001AP	Purified	250µg	1.0 mg/ml	CLCMG2A00
CL9001B	Biotin	100µg	0.1 mg/ml	CLCMG2A15
CL9001F	FITC	100µg	0.1 mg/ml	CLCMG2A01

Isotype: Mouse IgG_{2a}

DESCRIPTION:

Cedarlane's anti-mouse H-2D^b monoclonal antibody specifically reacts with the H-2D^b (Determinant H-2.m2, ref.3) encoded MHC class I antigen expressed on mouse strains of the H-2^b haplotype. This antibody also reacts with H-2L^d products. Class I antigens are expressed on all nucleated cells.

PRESENTATION:

Ascites: 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). For maximum recovery of contents, spin down tube before use.

Biotin and FITC: Biotin/FITC 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:

Store **Ascites** at -20°C. For all other formats, store at 4°C. For long term storage (**Ascites, Purified, Biotin and FITC**), aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

SPECIFICATIONS:

Clone: B22-249.R1

Hybridoma Production:

Immunization: Recipient: BALB/c
Donor: C57BL/6 lymphocytes

Fusion Partner: NS-1

Specificity: Mouse H-2D^b

Continued Overleaf.....

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registered company.

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Strains Tested: C57BL/6, BALB/c, CBA/J, C3H/He, AKR/J, A.TH.

Positive: C57BL/6, (cross reacts with BALB/c and A.TH)

Negative: CBA/J, C3H/He, AKR/J.

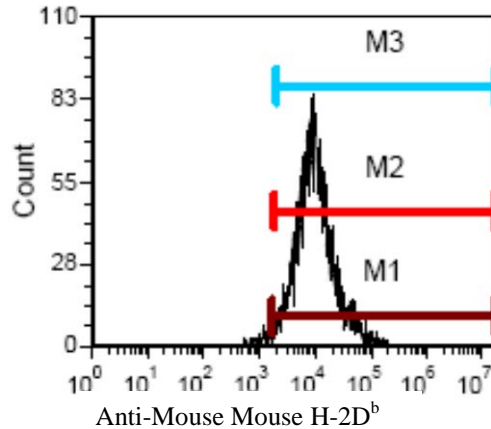
TEST RESULTS:

Tissue Distribution by Flow Cytometry Analysis:

Mouse Strain: C57BL/6

Cell concentration: 1×10^6 cells per test

Antibody Concentration Used: $1.0 \mu\text{g}/10^6$ cells



Cell Source: Spleen

Percentage of cells stained above control: 99.11%

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. Hammerling, G.J., Hammerling, U. and Lemke, H. (1979b) Isolation of twelve monoclonal antibodies against Ia and H-2 antigens. Serological characterization and reactivity with B and T lymphocytes. *Immunogenetics*, 8, 433 (1979).
2. Klein, J., Huang, H.S., Lemke, H., Hammerling, G. J. and Hammerling, U. (1979). Serological analysis of H-2 and Ia molecules with monoclonal antibodies. *Immunogenetics*, 8, 419 (1979).
3. Klein, J., Gotze, D., Hammerling, G. J. and Lemke, H. Nomenclature for H-2 and Ia antigens defined by monoclonal antibodies. *Immunogenetics*, 9, 503-507 (1979).
4. Klein, J., Figueroa, F., and Chella, S. David. H-2 Haplotypes, Genes and Antigens: Second Listing. II. The H-2 Complex. *Immunogenetics*, 17, 553-596 (1983).

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