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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 CD44
Monoclonal Antibody**

Catalogue#	Format	Size	Concentration
CL8946AP	Purified	200 µg	1.0 mg/ml
CL8946B	Biotin	100 µg	0.1 mg/ml
CL8946B-3	Biotin	300 µg	0.1 mg/ml
CL8946F	FITC	100 µg	0.1 mg/ml
CL8946F-3	FITC	300 µg	0.1 mg/ml
CL8946PE	PE	50 µg	0.1 mg/ml
CL8946PE-3	PE	300 µg	0.1 mg/ml

Isotype: Rat IgG_{2b}

DESCRIPTION:

Cedarlane's anti-mouse CD44 monoclonal antibody reacts with all isoforms of CD44 (Pgp-1, Ly-24) glycoprotein. By flow cytometry, the main cellular reactivities are B cells, monocytes, macrophages and variable subsets of thymocytes and peripheral T cells.

This antibody is suitable for use in flow cytometry.

CL8946AP is reported to work well in immunohistochemistry (both paraffin (2.5-10ug/ml) and frozen sections). CL8946PE and CL8946PE-3 are reported to work in immunoprecipitation, ELISA, IHC of frozen sections, and complement depletion^{1,2,3}.

PRESENTATION:

Purified: 22 µg purified Ig buffered in PBS and 0.02% NaN₃.

Biotin and FITC: 100 µg or 300 µg Biotin/FITC conjugated Ig buffered in PBS, 0.02% NaN₃ and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml.

PE: 50 µg or 300 µg R-PE conjugated Ig buffered in PBS, 0.2% NaN₃ and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml.

STORAGE/STABILITY:

Store at 4°C. Avoid prolonged exposure to light. DO NOT FREEZE **PE** conjugates. For long term storage (**PURIFIED, BIOTIN, FITC**), aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles. If the reagent is being diluted, it is recommended that only the quantity to be used within one week be diluted. Check label for expiry date.

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registered company.

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

Clone: IM7.8.1

Specificity: Mouse CD44

TEST RESULTS:

Tissue Distribution by Flow Cytometry Analysis:

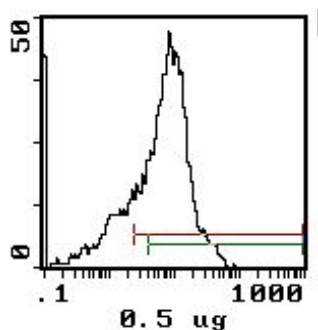
Mouse Strain: BALB/c

Cell Concentration : 1x10⁶ cells per test

Antibody Concentration Used: 0.5 µg/10⁶ cells

Isotypic Control: FITC Rat IgG_{2b} (CLCR2B01)

<u>Cell Source:</u>	<u>Percentage of cells stained above control:</u>
Spleen	76.5%
Thymus	20.9%



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. Lesley, J. and Trowbridge, I.S. 1982 Genetic characterization of a polymorphic murine cell-surface glycoprotein. Immunogenetics 15:313-320.
2. Lesley, J., Hyman, R. and Kincade, P.W. 1993 CD44 and its interaction with extracellular matrix. Advances in Immunol. 54:271-335.
3. Kato, S., J.B. McCarthy, and P.W. Kincade. 1994. Characterization of soluble CD44 in the circulation of mice. Levels are affected by immune activity and tumor growth. J.Immunol. 153:3440-3449.

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