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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

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 | Isotype Control |
|--------------------|----------|---------------|---------------|-----------------|
| CL8946AP | Purified | 200 µg | 1.0 mg/ml | CLCR2B00 |
| CL8946B/-3 | Biotin | 100 µg/300 µg | 0.1 mg/ml | CLCR2B15 |
| CL8946F/-3 | FITC | 100 µg/300 µg | 0.1 mg/ml | CLCR2B01 |
| CL8946PE/-3 | PE | 50 µg/300 µg | 0.1 mg/ml | CLCR2B04 |

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. This clone is also reported to work in immunoprecipitation, ELISA, IHC with paraffin (2.5-10 µg/ml) and frozen sections, and complement depletion^{1,2,3}.

PRESENTATION:

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.

STORAGE/STABILITY:

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

SPECIFICATIONS:

Clone: IM7.8.1

Immunogen: Myeloid leukemia M1 cells induced with Dexamethasone.

Specificity: Mouse CD44

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TEST RESULTS:

Tissue Distribution by Flow Cytometry Analysis:

Mouse Strain: BALB/c

Cell Concentration: 1×10^6 cells per test

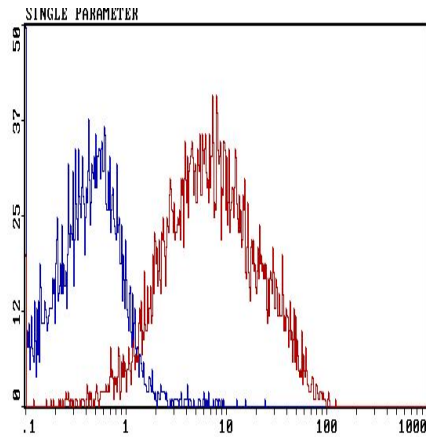
Antibody Concentration Used: $0.5 \mu\text{g}/10^6$ cells

Cell Source:

Spleen
Thymus

Percentage of cells stained above control:

87%
20.9%



Cell Source: Spleen

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. Katoh, 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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