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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
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Technically
Speaking

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

**Anti-Mouse CD71
Monoclonal Antibody**

Catalogue#	Format	Size	Concentration	Isotype Control
CL8971AP	Purified	200µg	1.0 mg/ml	CLCR2A00
CL8971B/-3	Biotin	100µg/300µg	0.1 mg/ml	CLCR2A15
CL8971F/-3	FITC	100µg/300µg	0.1 mg/ml	CLCR2A01
CL8971PE/-3	PE	50µg/300µg	0.1 mg/ml	CLCR2A04

Isotype: Rat IgG_{2a}

DESCRIPTION:

Cedarlane's anti-mouse CD71 monoclonal antibody reacts with the transferrin receptor (CD71). The expression of CD71 is up-regulated after B cell or T cell activation.

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:

Store at 4°C. DO NOT FREEZE **PE** conjugates. 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: RI7 217.1.4

Immunogen: Friend erythroleukemia 745.6 induced for 5 days in 1.5% dimethyl sulfoxide.

Specificity: Mouse CD71

Continued Overleaf....

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registered company.

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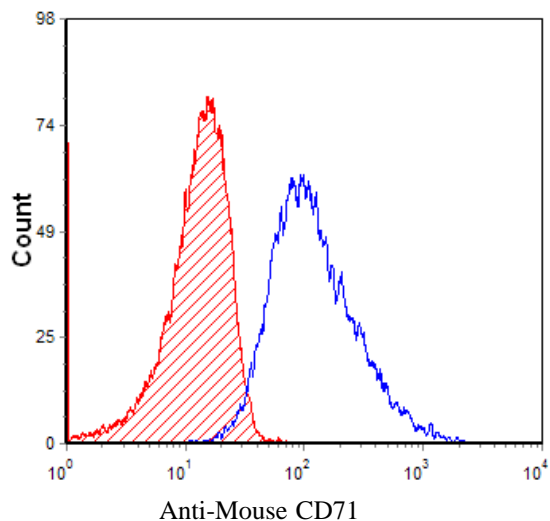
TEST RESULTS:

Tissue Distribution by Flow Cytometry Analysis:

Mouse Strain: BALB/c

Cell Concentration: 1×10^6 cells per tests

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



Cell Source: Con-A and Interleukin-2 (IL-2) activated Balb/c Splenocytes
Percentage of cells stained above control: 96.2%

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., Hyman, R., Schulte, R. and Trotter, J. 1984 Expression of transferrin receptor on murine hematopoietic progenitors. *Cell. Immunol.* 83:14-25.
2. Kemp, J.D., Thorson, J.A., McAlmont, T.H., Horowitz, M., Cowdery, J.S. and Ballas, Z.K. 1987 Role of the transferrin receptor in lymphocyte growth: a rat IgG monoclonal antibody against the murine transferrin receptor produces highly selective inhibition of T and B cell activation protocols. *J. Immunol.* 138:2422-2426.
3. Kemp, J.D., Thorson, J.A., Gomez, F., Smith, K.M. Cowdery, J.S., and Ballas, Z.K. 1989 Inhibition of lymphocyte activation with antitransferrin receptor Mabs: a comparison of three reagents and further studies of their range of effects and mechanism of action. *Cell Immunol.* 122:218-230.

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