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Technically
Speaking

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

**Anti-Mouse DAF
Monoclonal Antibody**

Catalogue#	Format	Size	Concentration	Isotype Control
CL7540AP	Purified	250ug	1.0 mg/ml	CLCHM00
CL7540B	Biotin	100ug	0.1 mg/ml	CLCHM15
CL7540F	FITC	100ug	0.1 mg/ml	CLCHM01
CL7540PE	PE	50ug	0.1 mg/ml	CLCHM04

Isotype: Armenian Hamster IgG

DESCRIPTION:

Cedarlane's anti-Mouse DAF monoclonal antibody (Clone: RIKO-3) detects DAF; one of several membrane proteins that prevent host cells from homologous complement attack. The two mouse DAF isoforms are effective against rat complement, but not against human and guinea pig complement. GPI-DAF is expressed on erythrocytes, spleen and testis while TM-DAF (transmembrane-DAF) is expressed only in testis. Both types of DAF transfectants avoided C3 deposition more successfully than non-transfectant cells.

This antibody is suitable for use in flow cytometry, ELISA and Western Blotting analysis.

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** 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.

Continued...

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registered company.

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SPECIFICATIONS:

Clone: RIKO-3

Hybridoma Production:

Immunization:

Immunogen: GPI-DAF transfected CHO cells

Donor: Armenian Hamster spleen

Fusion Partner: P3U1

Specificity: Mouse DAF

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

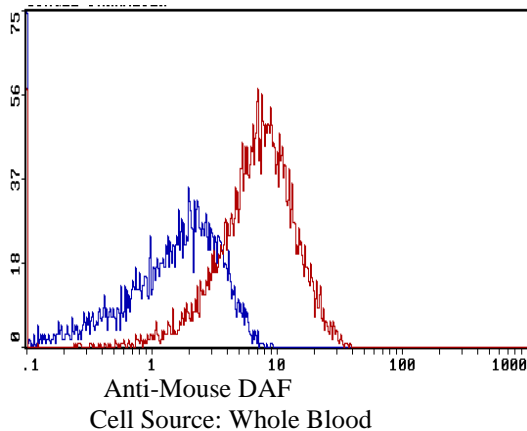
Percentage of cells stained above control:

Blood

75.7%

Bone Marrow

25.5%



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. Molina, H., Miwa, T., Hilliard, B., Mastellos, D., Maldonado, M.A., Lambris, J.D., Song, W., 2002. Complement-mediated clearance of erythrocytes: mechanism and delineation of the regulatory roles of Crry and DAF. The American Society of Hematology
2. Ohta, R., Imai, M., Fukuoka, Y., Miwa, T., Okada, N., Okada, H., 1999. Characteration of Mouse DAF on Trasfectant Cells Using Monoclonal Antibodies Which Recognize Different Epitopes. Nagoya City University School of Medicine and The Scripps Research Institute.
3. Miwa, T., Zhou, L., Hilliard, B., Molina, H., Song, W.C. 2002. Crry, but not CD59 and DAF, is indispensable for murine erythrocyte protection in vivo from spontaneous complement attack. Blood. 99(10): 3707-3716.

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