SZABO SCANDIC

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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Mouse CD44
Monoclonal Antibody

Catalogue#	Format	Size	Concentration	Isotype Control
CL8944AP	Purified	250 µg	1.0 mg/ml	CLCR2A00
CL8944LE	Low Endotoxin	500 µg	1.0 mg/ml	CLCR2A00
CL8944NA	No Azide	1.0 mg	1.0 mg/ml	CLCR2A00
CL8944B	Biotin	100 µg	0.1 mg/ml	CLCR2A15
CL8944B-3	Biotin	300 µg	0.1 mg/ml	CLCR2A15
CL8944F	FITC	100 µg	0.1 mg/ml	CLCR2A01
CL8944F-3	FITC	300 µg	0.1 mg/ml	CLCR2A01
CL8944APC	APC	100 µg	0.1 mg/ml	CLCR2A05
CL8944PE	PE	50 µg	0.1 mg/ml	CLCR2A04
CL8944PE-3	PE	300 µg	0.1 mg/ml	CLCR2A04
CL8944AF4	Alexa Fluor®488	100 µg	0.1 mg/ml	N/A
CL8944AF6	Alexa Fluor®647	100 µg	0.1 mg/ml	N/A
CL8944AF7	Alexa Fluor®700	100 µg	0.1 mg/ml	N/A

Alexa Fluor® is a registered trademark of Life Technologies Corporation.

Isotype: Rat IgG2a

DESCRIPTION:

Cedarlane's anti-mouse CD44 (Pgp-1, Ly-24) monoclonal antibody recognizes a 95 kDa glycoprotein found on most hematopoietic cells. It is thought to be important in the regulation of migratory properties of lymphocytes during development and the regulation of the interaction with bone marrow stromal cells during hematopoiesis. CD44 functions as a receptor for hyaluronate, although some cells expressing CD44 do not bind hyaluronate.

This antibody has been shown to inhibit the growth of lymphoid and myeloid cells in long term bone marrow cultures. It also blocks the adhesive interactions of B cell hybridomas to a cloned stromal line or to hyaluronate coated dishes.

PRESENTATION:

Purified: Purified IgG buffered in PBS and 0.02% NaN_3. (Purified via Protein G Chromatography). For maximum recovery of contents, spin down tube before use.
LE: Purified IgG buffered in PBS, no preservative, 0.2µm sterile filtered (Purified via Protein G Chromatography). Endotoxin level is <0.1 EU/µg of the protein (<0.01 ng/µg of the protein) as determined by the LAL test.
No Azide: Purified Ig buffered in PBS, no preservative, 0.2 µm sterile filtered.
APC, Biotin, FITC, PE, AF488, AF647 and AF700: Biotin/FITC/PE/AF488/AF647/AF700 conjugated IgG buffered in PBS, 0.02% NaN_3 and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/mL.

In CANADA: Toll Free: 1-800-268-5058
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e-mail: service@cedarlanelabs.com

STORAGE/STABILITY:

For all formats, store at 4°C. DO NOT FREEZE **APC**, **PE, AF488, AF647 and AF700** conjugates. For long term storage (**Purified, LE, No Azide, Biotin, FITC**), aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

SPECIFICATIONS:

Clone: KM81

Hybridoma Production:

Immunization: Immunogen: Bone Marrow Derived Stromal Cells (clone BMS2)
Donor: Lou/MN Rat
Fusion Partner: SP2/0

Specificity: Mouse CD44

TEST RESULTS:

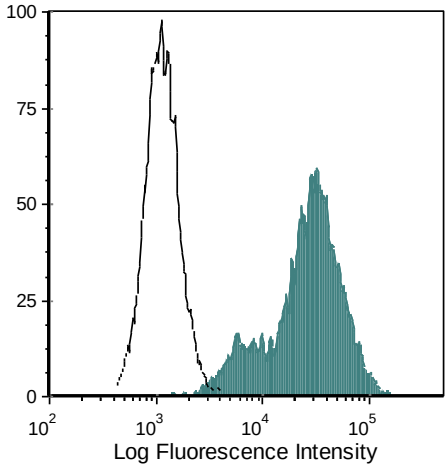
Tissue Distribution by Flow Cytometry Analysis:

Mouse Strain: BALB/c

Cell Concentration: $1x10^6$ cells per test

Antibody Concentration Used: 0.2 µg/10^6 cells

Cell Source	Percentage of cells stained above control:
Bone Marrow	98.1%
Lymph Node	28.1%
Spleen	24.6%
Thymus	19.63%



ATH mouse bone marrow stained with anti-CD44 (clone: KM81) (filled histogram) or Rat IgG2a isotype control (open histogram).

N.B. Appropriate control samples should always be included in any labelling studies.
*** For optimal results in various applications, it is recommended that each investigator determine dilutions appropriate for individual use.**

REFERENCES:

1. Lynch, F., and Ceredig R. Ly-24 (Pgp-1) expression by thymocytes and peripheral T cells. Immunol. Today 9:7.0.
2. Picker, L.J., De Pos Toyos J, Telen MJ et al. Monoclonal antibodies against CD44 [In (Lu)-related P80], and Pgp-1 antigens in man recognize the Hermes class of lymphocyte homing receptors. J. Immunol. 1989: 142:2046-51.
3. Miyake K, Medina K, Hayashi S-I et al. Monoclonal antibodies to Pgp-1/CD44 block lympho-hemopoiesis in long term bone marrow cultures. J. Exp. Med. 1990; 171:477-488.
4. Miyake K, Underhill CB, Lesley J. et al. Hyaluronate can function as a cell adhesion molecule and CD44 participates in hyaluronate recognition. J. Exp. Med 1990; 172:69-75.

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