SZABO SCANDIC

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Produktinformation

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

Weitere Information auf den folgenden Seiten!
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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Rat Endothelium Monoclonal Antibody

Catalogue#	Format	Size	Concentration	Isotype Control
CL043A	Ascites	0.5ml	NA	CLCMG100
CL043AP	Purified	250µg	1.0 mg/ml	CLCMG100
CL043AP-2	Purified	500µg	1.0 mg/ml	CLCMG100
CL043NA	Purified	1.0ml	1.0 mg/ml	CLCMG100
CL043B	Biotin	100µg	0.1 mg/ml	CLCMG115
CL043B-5	Biotin	500µg	0.1 mg/ml	CLCMG115
CL043F	FITC	100µg	0.1 mg/ml	CLCMG101
CL043F-5	FITC	500µg	0.1 mg/ml	CLCMG101
CL043PE	PE	50µg	0.1 mg/ml	CLCMG104

Isotype: Mouse IGg_1

DESCRIPTION:

Cedarlane's anti-rat endothelium monoclonal antibody recognizes a surface protein of MW 90 kDa and generally reacts with all vascular endothelium in the rat except that of brain capillaries (1). This is the reciprocal tissue pattern to that of the transferrin receptor. It has been shown that the expression of CL043 is on the luminal surface of blood vessels. CL043 labels all peritoneal macrophages, a sub-population of alveolar macrophages (65%) and rare interstitial cells in the brain and heart (1). In addition, Cedarlane's anti-rat endothelium monoclonal antibody labels circulating erythrocytes, 22% of peripheral blood mononuclear cells and 17% of nucleated cells in bone marrow (1).

CL043 does not label granulocytes, dendritic cells, lymphocytes, or lymphocyte blasts, thymocytes, lymph node cells, mast cells and platelets. CL043 has been invaluable in the demonstration of molecular heterogeneity of vascular endothelium.

PRESENTATION:

Ascites: Lyophilized
Purified: Purified IgG buffered in PBS and 0.02% NaN_3. (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% NaN_3 and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml.
No Azide: Purified Ig buffered in PBS,no preservative,0.2µm sterile filtered.

Continued Overleaf.....

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

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1210 Turrentine Street, Burlington, NC 27215 ph: (336) 513-5135, fax: (336) 513-5138
e-mail: service@cedarlanelabs.com

STORAGE/STABILITY:

Store **Ascites** at -20°C. For all other 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.

SPECIFICATIONS:

Clone: MRC OX-43

Hybridoma Production:

Immunization: Immunogen: Rat Peritoneal Macrophages
Immunocyte Donor: BALB/c Spleen

Fusion Partner: NSO/U

Specificity: Rat Endothelium

Strains Tested: Wistar, Buffalo, Brown Norway, Fischer 344
Positive: Wistar, Buffalo, Brown Norway, Fischer 344
Negative: None

TEST RESULTS:

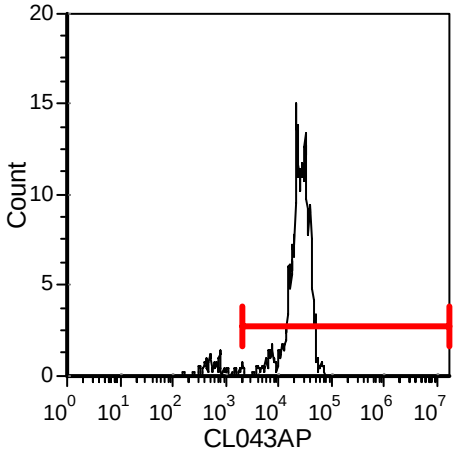
Rat Strain: Wistar

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

Antibody Concentration Used: 1.0 µg/10^6 cells

Secondary Antibody: PE Goat anti Mouse IgG (**CLCC30204**) 1:500 dilution

Cell Source	Percentage of cells stained above control:
Peritoneal Macrophages	94.04%
Thymus	11.16 %



Cell Source: Peritoneal Macrophages

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) Robinson, A.P., White, T.M. and D.W. Mason. (1985) Immunology. 57, 231-237. MRC OX-43: a monoclonal antibody which reacts with all vascular endothelium in the rat except that of brain capillaries.

FOR RESEARCH USE ONLY