SZABO SCANDIC

Part of Europa Biosite

Produktinformation

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

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic

TECHNICALLY Speaking

Place your order with CEDARLANE® or your local distributor.

Please contact CEDARLANE® for lot specific information.

Anti-Rat Endothelium Monoclonal Antibody-Ascites

CL043A
LOT: P8255

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 CL043A is on the luminal surface of blood vessels. CL043A 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).

CL043A does not label granulocytes, dendritic cells, lymphocytes, or lymphocyte blasts, thymocytes, lymph node cells, mast cells and platelets. CL043A has been invaluable in the demonstration of molecular heterogeneity of vascular endothelium.

PRESENTATION: 0.5 ml, lyophilized

STORAGE/STABILITY:

Lyophilized form stable at 4°C or -20°C. Reconstitute with 0.5 ml of cold distilled water. After reconstitution, aliquot and freeze unused portions at -20°C in volumes appropriate for single usage. Avoid repeated freeze/thaw cycles. If slight turbidity appears, clarify by centrifugation before use.

For more information or to place an order please contact...

CEDARLANE® LABORATORIES LIMITED
5516 - 8th Line, R.R.#2, Hornby, Ontario, CANADA L0P 1E0

toll free: 1-800-268-5058
in North America
phone: (905) 878-8891 • fax: (905) 878-7800

or visit our website for a list of our international distributors including contact information
website: www.cedarlanelabs.com • e-mail: info@cedarlanelabs.com

SPECIFICATIONS:

Clone: MRC OX-43

Hybridoma Production:

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

Fusion Partner: NSO/U

Specificity: Rat Endothelium

Isotype: Mouse IgG1

Presentation: Ascitic Fluid (lyophilized)

FLOW CYTOMETRY ANALYSIS:

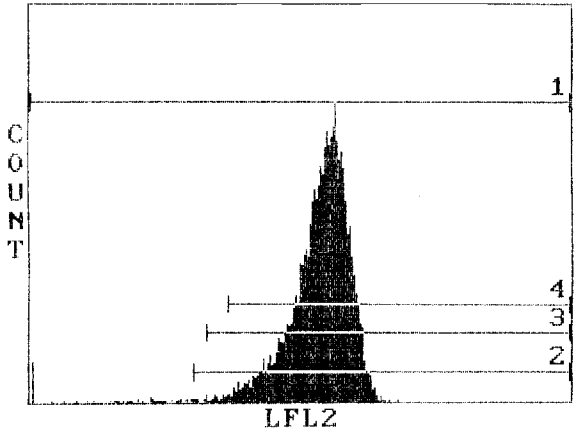
1. Prepare cell suspension in media A. For cell preparations, deplete the red blood cell population with Lympholyte®-Rat cell separation medium (CL5040).
2. Wash 2 times.
3. Resuspend the cells to a concentration of $2x10^7$ cells/ml in media A. Add 50 µl of this suspension to each tube (each tube will then contain 1×10^6 cells, representing 1 test).
4. To each tube add 50 µl of a 1:500 - 1:1 000 dilution of **CL043A***.
5. Vortex the tubes to ensure thorough mixing of antibody and cells.
6. Incubate the tubes for 30 minutes at 4C.
7. Wash 2 times at 4°C.
8. Add 100 µl of secondary antibody **CLCC30204** (PE Goat anti-mouse IgG) at 5µl/test ($1x10^6$ cells).
9. Incubate tubes at 4°C for 30-60 minutes.(It is recommended that the tubes are protected from light since most fluorochromes are light sensitive).
10. Wash 2 times at 4°C in Media B.
11. Resuspend the cell pellet in 50 µl ice cold Media B.
12. Transfer to suitable tubes for flow cytometric analysis containing 15 µl of propidium iodide at 0.5 mg/ml in phosphate buffered saline. (This stains dead cells by intercalating in DNA.)

MEDIA:

A. Phosphate buffered saline (pH 7.2) + 5% normal serum of host species + sodium azide (100 µl of 2 M sodium azide in 100 mls).
B. Phosphate buffered saline (pH 7.2) + 5% bovine serum albumin + sodium azide (100 µl of 2 M sodium azide in 100 mls).

Rat Strain: Lewis
Cell Concentration: $1x10^6$ cells per test
Antibody Concentration: 1:500
Isotypic Control: Mouse IgG1, κ

CELL SOURCE	PERCENT STAINING
Thymus	1%
Peritoneal Macrophages	96.6%



Cell Source: Peritoneal Macrophages
Percentage of Cells Stained Above Control: 96.6%

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.**

STRAIN DISTRIBUTION:

Procedure: As above
Antibody Concentration: 1:500
Strains Tested: Lewis, Wistar, ACI, Brown Norway, Buffalo, Fischer 344

Positive: Buffalo, Brown Norway, ACI, Fischer 344, Lewis
Negative: none

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

(Not to be administered to humans or animals nor used for any drug purpose.)

SV/02/19/99