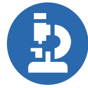
SZABO
SCANDIC
Part of Europa Biosite

Produktinformation

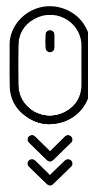
Forschungsprodukte & Biochemikalien

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

Purified Anti-Mouse Macrophage (F4/80) Monoclonal Antibody

CL8940AP
LOT:

DESCRIPTION:

Cedarlane's anti-mouse F4/80 monoclonal antibody reacts with the mouse macrophage F4/80 antigen, which is a 160kD plasma membrane component on mouse mononuclear phagocytes. The F4/80 antigen is found on most macrophages, and on macrophage precursors from M-CFC onward. Expression of this antigen is increased upon maturation. F4/80 is found in low levels on activated macrophages and eosinophils. Dendritic leukocytes may be negative or express F4/80 in low levels.

Applications include flow cytometry. This clone is also reported to work in immunohistochemistry, both frozen and paraffin sections (#5).

PRESENTATION:

200 µg purified Ig buffered in PBS and 0.09% NaN_3

STORAGE/STABILITY:

Store at 4°C. For long term storage, aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

SPECIFICATIONS:

Clone: C1:A3-1

Specificity: Mouse Macrophage (F4/80)

Ig Class: Rat IgG_{2b}

Format: Purified Ig buffered in PBS and 0.09% NaN_3.

Antibody Concentration: 1.0mg/ml

Continued...

Visit our website for your local distributor.

An ISO 9001:2000 and ISO 13485:2003 registered company.

In CANADA: Toll Free: 1-800-268-5058
4410 Paletta Court, Burlington, ON L7L 5R2 ph: (289) 288-0001, fax: (289) 288-0020
e-mail: general@cedarlanelabs.com

In the USA: Toll Free: 1-800-721-1644
1210 Turrentine Street, Burlington, NC 27215 ph: (336) 513-5135, fax: (336) 513-5138
e-mail: service@cedarlanelabs.com

FLOW CYTOMETRY ANALYSIS:

Method:

1. Prepare a cell suspension in media A. For cell preparations, deplete the red blood cell population with Lympholyte®-M cell separation medium (CL5030).
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 $1x10^6$ cells, representing 1 test).
4. To each tube, add ~1.0 µg* of **CL8940AP**.
5. Vortex the tubes to ensure thorough mixing of antibody and cells.
6. Incubate the tubes for 30 minutes at 4°C.
7. Wash 2 times at 4°C.
8. Add 100 µl of secondary antibody **CLCC40001** (FITC Goat anti-rat IgG (H+L)) at 1:500 dilution.
9. Incubate the 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 PBS. 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 2M sodium azide in 100 mls).
B. Phosphate buffered saline (pH 7.2) + 0.5% Bovine serum albumin + sodium azide (100 µl of 2M sodium azide in 100 mls).

REFERENCES:

1. Handbook of Experimental Immunology, Ed. Weir, D.M. (Chapter 43).

2. Szu-Hee Lee, Starky, P.M., Gordon, S. "Quantitative Analysis of Total Macrophage Content in Adult Mouse Tissues", J. Exp. Med. (1985), Volume 161 pp 475-489.

3. Hume, D.A., Perry, V.H., Gordon, S. "The Mononuclear Phagocyte System of the Mouse Defined by Immunohistochemical Localizations of Antigen F4/80: Macrophages Associated with Epithelia", The Anatomical Record (1984), Volume 210, pp 503-512.

4. Eur. J. Immunol. (1981), Volume 11, pp 805-815.

5. Whiteland, J.L et al (1995). Immunohistochemical detection of T cell subsets and other leukocytes in paraffin embedded rat and mouse tissues with monoclonal antibodies .J. Histochem. Cytochem. 43: 313-320.

FOR RESEARCH USE ONLY

® is a Registered Trademark of Cedarlane Laboratories Limited.

AR 11/18/10