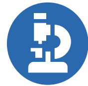
Produktinformation

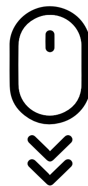
Forschungsprodukte & Biochemikalien

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

Place your order with CEDARLANE® or your local distributor.
Please contact CEDARLANE® for lot specific information.

PE Anti-Mouse CD18 (LFA-1β) Monoclonal Antibody

CL8917PE
CL8917PE-3
LOT:

DESCRIPTION:

Cedarlane's anti-Mouse CD18 (LFA-1β) monoclonal antibody reacts with the common $ß_2$ subunits of LFA-1 (CD11a/ CD18), Mac-1 (CD11b/ CD18), and p150,95 (CD11c, CD18)[2,3]. These three $ß_2$ integrins, which function in cell-cell adhesion in the immune system, are also known as leukocyte integrins because their expression is limited to leukocytes[2,3].

This antibody is suitable for use in flow cytometry. This clone is also reported to work in immunoprecipitation[1] and IHC on acetone-fixed frozen sections.

PRESENTATION:

50µg (CL8917PE) or 300µg (CL8917PE-3) PE conjugated purified Ig buffered in PBS containing 0.1% NaN_3 and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml.

STORAGE/STABILITY:

Store at 4°C. **DO NOT FREEZE**. Avoid prolonged exposure to light. Check label for expiry date.

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: C71/16

Specificity: Mouse CD18 (LFA-1β)

Ig Class: Rat IgG_{2a}

Immunogen: cell membrane glycoproteins derived from BW5147 cells[1]

Antibody Concentration: 0.1 mg/ml

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 ~ 0.5µg* of **CL8917PE or CL8917PE-3**.
5. Vortex the tubes to ensure thorough mixing of antibody and cells.
6. Incubate the tubes for 30 minutes at 4°C.
   (It is recommended that the tubes are protected from light since most fluorochromes are light sensitive).
7. Wash 2 times at 4°C.
8. Resuspend the cell pellet in 50 µl ice cold media B.
9. 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.

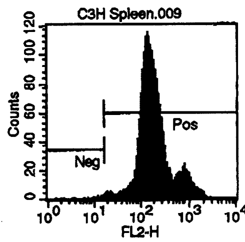
Media:

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).

Results:

Tissue Distribution by Flow Cytometry Analysis:
Representative Histogram

Mouse Strain: C3H/He
Cell Concentration : $1x10^6$ cells per test
Antibody Concentration Used: 0.5 µg/10^6 cells
Isotypic Control: PE Rat IgG_{2a}, κ (CLCR2A04)



FL2 LOG
Cell Source: Spleen
Percentage of cells stained above control: 99.7%

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.**

<u>REFERENCES</u>:

1) Trowbridge, I.S. and Omary, M.B. 1981. “Molecular complexity of leukocyte surface glycoproteins related to the macrophage differentiation antigen MAC-1. *J. Exp. Med.* **154**:1517-1524.

2) Springer, T. A. 1990. Adhesion receptors of the immune system. *Nature* **346**: 425-434.

3) Springer, T. A. 1994. Traffic signs for lymphocyte recirculation and leukocyte emigration: The multistep paradigm. *Cell* **76**: 301-314.

4) Springer, T., Davignon, D., Ho, M., Kruzinger, K., Martz, E. and Sanches-Madrid, F., 1982 LFA-1 and Lyt-2,3, molecules associated with T lymphocyte-mediated Killing; and Mac-1, and LFA-1 homologue associated with complement receptor function. *Immunol. Rev*. **68**: 171-195.

5) Larson, R.S. and Springer, T.A. 1990 Structure and function of leukocyte integrins. *Immunol. Rev.* **114**:181-217.

FOR RESEARCH USE ONLY

® is a Registered Trademark of Cedarlane Laboratories Limited.

JV 9/26/05