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.

Biotin Rat Anti-Mouse Ly-6A/E Monoclonal Antibody

CL8948B
CL8948B-3
LOT:

DESCRIPTION:

This monoclonal antibody reacts with Ly-6A.2 and Ly-6E.1, members of the Ly-6 multigene family. Ly-6A/E molecules are expressed on multipotent hematopoietic stem cells[1] activated T cells, and peripheral B cells on mice that express the Ly-6.2 haplotype.

This antibody can be used in immunostaining for flow cytometry [1,4,5], Western Blot analysis [3], and immunoprecipitation[1,2]. This clone is reported to work in immunohistochemistry with frozen tissue sections [1].

PRESENTATION:

100 ug (CL8948B) or 300 µg (CL8948B-3) Biotin conjugated Ig buffered in PBS, containing 0.1% sodium azide (NaN_3) as a preservative. A highly purified grade of BSA has been added as a stabilizing protein to bring the total protein concentration to 4-5 mg/ml after conjugation.

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. If the reagent is being diluted, it is recommended that only the quantity to be used within one week be diluted. Check label for expiry date.

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

CEDARLANE® LABORATORIES LIMITED

toll free: 1-800-268-5058
in North America

phone: (905) 878-8891 • fax: (905) 878-7800

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

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: D7

Specificity: Mouse Ly-6A/E

Ig Class: Rat IgG_{2a}

Antibody Concentration: 0.1 mg/ml

FLOW CYTOMETRY ANALYSIS:

Method:

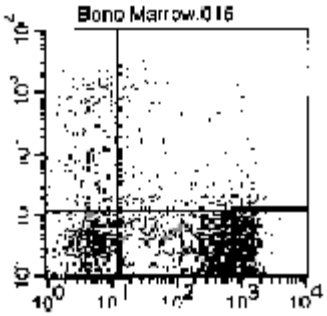
1. Prepare a cell suspension in media A. For cell preparations, deplete the red blood cell population with Lympholyte®-M cell separation medium (CL5030).
2. Wash 2 times.
3. Re-suspend the cells to a concentration of $2x10^7$ cells/ml in media A. Add 50 µl of this suspension to each tube (each tube will then contain $1x10^6$ cells, representing 1 test).
4. To each tube, add ~ 0.25 µg***** of **CL8948B or CL8948B-3**.
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 detection reagent CLCSA1001 (Streptavidin-FITC) at 1:50 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. Re-suspend 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).

Results:
Tissue Distribution by Flow Cytometry Analysis:

(Representative Dot Plot)
Mouse Strain: C57BL/6
Cell Concentration: $1x10^6$ cells per test
Antibody Concentration used: ~0.25/ 10^6 cells
Isotypic Control: Biotin Rat IgG2a (CLCR2A15)



Cell Source: mouse bone marrow cells

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. Ortega, G., P.E. Korty, E.M. Sherach, and T.R. Malek. 1986. Role of Ly-6 in lymphocyte activation. I. Characterization of a monoclonal antibody to a nonpolymorphic Ly-6 specificity. *J. Immunol*. **137**: 3240-3246.
2. Palfree, R.G.E., F.J. Dumont, and U. Hammerling. 1986. Ly-6A.2 and Ly-6E.1 molecules are antithetical and identical to MALA-1. *Immunogenetics* **23**: 197-207.
3. Codias, R., J. Rutter, T. Fleming, and T. Malek. 1990. *J. Immunol*. **145**:1407.
4. Szilvassy, S. J. and S. Corey. 1993. *Blood*. **81**:2310.
5. Moore, T, M. Bennett and V. Kumar. 1995. *J. Immunol*. **154**:1653.

FOR RESEARCH USE ONLY

JCr 9/7/05