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siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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TECHNICALLY Speaking

Place your order with CEDARLANE® or your local distributor.

Please contact CEDARLANE® for lot specific information.

FITC Anti-Mouse CD19
Monoclonal Antibody

CL8914F
CL8914F-3
LOT: 21010208

DESCRIPTION:

Cedarlane's anti-mouse CD19 antigen monoclonal antibody reacts with CD19, a co-receptor protein in the B-cell co-receptor complex that includes CD21 (CR2) and CD81 (TAPA-1)[2,3]. CD19 is an important B cell development marker appearing in early B-cell progenitor cells that is known to be important in the activation of mature cells[2]. It will not detect plasma cells.

This antibody is suitable for use in flow cytometry.

PRESENTATION:

100 ug (CL8914F) or 300 ug (CL8914F-3) FITC conjugated Ig buffered in PBS, 0.02% sodium azide (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. For long term storage, aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles, and prolonged exposure to light. If the reagent is being diluted, it is recommended that only the quantity to be used within one week be diluted

SPECIFICATIONS:

Clone: 6D5

Specificity: Mouse CD19

Ig Class: Rat IgG_{2a}

Antibody Concentration: 0.1 mg/ml

Continued Overleaf…

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

CEDARLANE® LABORATORIES LIMITED
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or visit our website for a list of our international distributors including contact information
website: www.cedarlanelabs.com • e-mail: info@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 ~ 0.25 µg of **CL8914F or CL8914F-3** per 10^6 cells.
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.

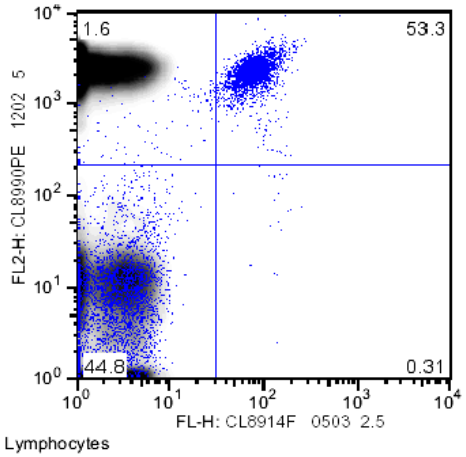
Media:

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 Dot Plot)

Mouse Strain Tested: C57/BL6
Cell Concentration : $1x10^6$ cells per test
Antibody Concentration Used: 0.25 µg/10^6 cells
Isotypic Control: FITC Rat IgG_{2a} (CLCR2A01)



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.**

Continued overleaf…

REFERENCES:

1) Krop, I et al (1986). Antibody to CD19 suppresses self-renewal of B-1 lymphocytes. *Euro. J. Immunol*. 26: 238

2) Krop, I., A.L. Shafer, D.T. Fearon, and M.S. Schlissel. 1996. The signaling activity of murine CD19 is regulated during B cell development. *J.Immunol*. 157: 48-56.

3) Fearon, D.T. 1993. The CD19/CR2/TAPA-1 complex, CD45 and signaling by the antigen receptor of B lymphocytes. *Curr.Opin.In Immunol*. 5: 341-348.

Laboratory Reagent For Research Use Only

MW 02/19/08