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

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Lieferung & Zahlungsart

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.

PE Anti-Mouse CD19 Monoclonal Antibody

CL8914PE
CL8914PE-3
LOT: 05030608

DESCRIPTION:

Cedarlane's anti-mouse CD19 antigen monoclonal antibody is a pan B cell marker. It will not detect plasma cells.

This antibody is suitable for use in flow cytometry.

PRESENTATION:

50 µg (CL8914PE) or 300 µg (CL8914PE-3) PE conjugated Ig buffered in PBS, 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. 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.

SPECIFICATIONS:

Clone: 6D5

Specificity: Mouse CD19

Ig Class: Rat IgG_{2a}

Antibody Concentration: 0.1 mg/ml

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

CEDARLANE® LABORATORIES LIMITED

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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

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 µg***** of **CL8914PE or CL8914PE-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.

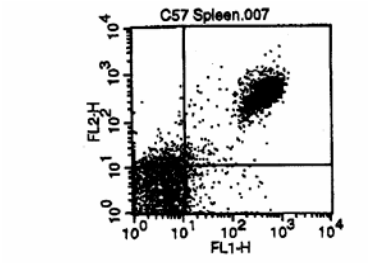
Media:

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: C57
Cell Concentration : $1x10^6$ cells per test
Antibody Concentration Used: 1.0 ug/10^6 cells
Isotypic Control: PE Rat IgG2a (CLCR2A04)

PE CD19



FITC B220

Cell Source: Spleen

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.**

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REFERENCES:

1) Krop, I et al (1996). Antibody to CD19 suppresses self-renewal of B-1 lymphocytes. *Eur. J. Immunol*. 26:238
2) Fearon, D.T.(1993). The CD19/CR2/TAP A-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