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- 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.

Purified Anti-Mouse CD19 Antigen Monoclonal Antibody

CL8914AP
LOT: 21000208

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:

200 µg purified Ig buffered in PBS and 0.02% 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. If the reagent is being diluted, it is recommended that the quantity to be used within one week be diluted.

SPECIFICATIONS:

Clone: 6D5

Specificity: Mouse CD19

Ig Class: Rat IgG_{2a}

Antibody Concentration: 0.2 mg/ml

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
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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 **CL8914AP**.
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. Krop, I. et al (1996). Antibody to CD19 suppresses self-renewal of B-1 lymphocytes. Eur. J. Immunol. 26:238