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- 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/Rat CD61 Monoclonal Antibody

CL8961AP
LOT: 01020408

DESCRIPTION:

According to the literature this antibody recognizes the CD61 antigen.[1] The CD61 antigen is expressed on platelets, activated T lymphocytes, some granulocytes, blastocysts and mast cells.

This antibody is suitable for use in flow cytometry.

PRESENTATION:

200 µg purified Ig buffered in PBS and 0.1% sodium azide (NaN_3).

STORAGE/STABILITY:

Store at 4°C. For long term storage, aliquot in volumes for single usage and freeze at -20°C. Mix thoroughly after thawing before use. 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.

SPECIFICATIONS:

Clone: HMβ3-1

Specificity: Mouse/Rat CD61

Ig Class: **Armenian Hamster** IgG

Antibody Concentration: 0.2 mg/ml

Continued Overleaf….

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

CEDARLANE® LABORATORIES LIMITED

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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 using a NH_4Cl lysing buffer.
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 **CL8961AP**.
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 appropriate fluorescent anti-Armenian Hamster IgG secondary antibody.
   * please note that our Hamster secondary antibodies (CLCC6000's series and CLCC6100's series) are not recommended for use with our Hamster anti-Mouse/Rat CD61 antibodies, and therefore not recommended for use with this product.
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).

***For optimal results in various applications, it is recommended that the investigator determine dilutions appropriate for individual use.**

REFERENCES:

1. Kieffer, N., D.R. Phillips. 1990. *Annu. Rev. Cell Biol.* 6:329-357.
2. Yasuda, M., Y. Hasunuma, H. Adachi, C. Sekine, T. Sakanishi, H. Hashimoto, C. Ra, H. Yagita, K. Okumura. 1995. *Int. Immunol.* 7:251-258.
3. Piali, L., P. Hammel, C. Uherek, F. Bachmann, R.H. Gisler, D. Dunon, B.A. Imhof. 1995. *J. Cell. Biol.* 130:451-460.
4. Wu, X., J.E. Mogford, S.H. Platts, G.E. Davis, G.A. Meininger, M.J. Davis. 1998. *J. Cell Biol.* 143: 241-252.
5. Ashkar, S., G.E. Weber, V. Panoutsakopoulou, M.E. Sanchirico, M. Jansson, S. Zawaideh, S. R. Rittling, D.T. Denhardt, M.J. Glimcher, H. Cantor. 2000. *Science* 287:860-864.

Laboratory Reagent For Research Use Only