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siehe unsere Liefer- und Versandbedingungen

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- Gefahrgutzuschlag
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TECHNICALLY Speaking

Place your order with CEDARLANE® or your local distributor.

Please contact CEDARLANE® for lot specific information.

Anti-Mouse Neutrophils (GM3.2) Monoclonal Antibody-Ascites

CL8992A
LOT:9214

DESCRIPTION:

Cedarlane's anti-mouse neutrophils (GM3.2) monoclonal antibody defines a unique mouse neutrophil cell surface antigen named GM3.2 (GM-3 locus, granulocyte-macrophage antigen-3, Chr 2). This phenotypic specific antigen is present only on strains of mice expressing the GM3.2 phenotype (A/WySn, C57BL/6, C57BL/10, C57BR/cd, C57L,J, RF/J are GM3.2 +'ve and BALB/c, C3H/He, AKR are examples of GM3.2 -'ve strains).

GM3.2 is found on neutrophils in bone marrow, peritoneal exudates and a population of thioglycollate-activated macrophages.(1) It is absent from lymphoid, kidney liver, heart and red cells. GM3.2 should prove to be a useful marker for studies of myeloid cell differentiation, as granulocyte/macrophage colony forming cells are GM3.2 negative, while mature neutrophils and activated macrophages are GM3.2 positive. (2)

PRESENTATION: 0.5 ml, lyophilized ascites

STORAGE/STABILITY:

Lyophilized form stable at 4°C or -20°C. Reconstitute with 0.5 ml of cold distilled water. After reconstitution, aliquot and freeze unused portions in volumes appropriate for single usage. Avoid repeated freeze/thaw cycles.

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

CEDARLANE® LABORATORIES LIMITED

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website: www.cedarlanelabs.com • e-mail: info@cedarlanelabs.com

SPECIFICATIONS:

Clone: 5120-26.1/11

Hybridoma Production:

Immunization: Immunogen: B6.Ly-1^{a} peritoneal exudate cells
Donor: 129/ReJ mouse spleen

Fusion Partner: P3-NS1-Ag4 (NS-1)

Specificity: Mouse Neutrophils (GM3.2)

Ig Class: Mouse IgG_{2a}

Format: Ascitic fluid (lyophilized)

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 50 µl of a 1:2500-1:5000 dilution ***** of **CL8992A**.
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 **CLCC30204** (PE Goat anti-mouse IgG (H+L)) at 1:20 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:

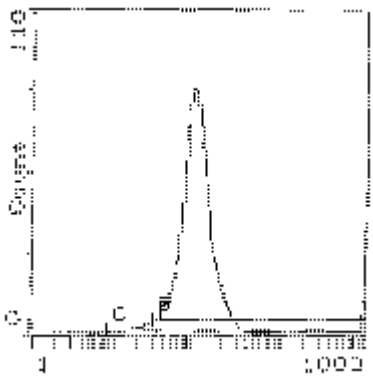
A. Phosphate buffered saline (pH 7.2) + 5% normal serum of host species + sodium azide (100 µl of 2M sodium azide in 100 mls).
B. Phosphate buffered saline (pH 7.2) + 0.5% Bovine serum albumin + sodium azide (100 µl of 2M sodium azide in 100 mls).

Results:

Tissue Distribution by Flow Cytometry Analysis:

Mouse Strain: C57BL/6
Cell Concentration : $1x10^6$ cells per test
Antibody Concentration Used: 1:2500 in 50 µl /10^6 cells
Isotypic Control: Mouse IgG_{2a}

Cell Source	Percentage of cells stained above control:
Bone Marrow Granulocytes	94.4%



LFL2

Cell Source: Bone Marrow Granulocytes
Percentage of cells stained above control: 94.4 %

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.**

Strain Distribution by Flow Cytometry Analysis:

Procedure: see page 2
Tissue: Bone Marrow Granulocytes
Cell Concentration : $1x10^6$ cells per test
Antibody Concentration Used: 1:2500 in 50µl
Strains Tested: BALB/c, C57BL/6
Positive: C57BL/6
Negative: BALB/c

REFERENCES:

1) Hibbs,M.L., Hogarth,P.M., Harris,R.A., McKenzie,I.F.C.:GM3.2, A new granulocyte/macrophage alloantigen: Immunogenetics 21:61-70,1985

2) Potter, T.A., Watt,S.M., Burgess,A.W., McKenzie,I.F.C.: Characterization of surface alloantigens of murine neutrophils: Immunogenetics 8:461-473, 1979

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