SZABO SCANDIC

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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.

Biotin Anti-Mouse CD5 (Ly 1.2) Monoclonal Antibody

CL8912B
CL8912B-3
LOT: 8241

DESCRIPTION:

Cedarlane's anti-CD5 (Ly 1.2) mAb reacts with T cells from mouse strains expressing the Ly 1.2 phenotype, but does not react with lympholytes from mouse strains expressing the Ly 1.1 phenotype.

PRESENTATION:

100 µg (CL8912B) or 300 µg (CL8912B-3) Biotin conjugated Ig buffered in PBS, 0.02% 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.

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

SPECIFICATIONS:

Clone: CG16

Hybridoma Production:

Immunization: Immunogen: C3H.CE - Ly 1.2 : DS
Donor: C3H spleen
Fusion Partner: Myeloma SP2/0 - Ag 14 (M5).

Specificity: Mouse CD5 (Ly 1.2)

Ig Class: Mouse IgG_{2b},κ

Format: Biotin conjugated Ig buffered in PBS, 0.02% NaN_3 and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml. (Purified from ascitic fluid via Protein G Chromatography)

Antibody Concentration: 0.1 mg/ml

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 1×10^6 cells, representing 1 test).
4. To each tube, add 0.1 - 0.2 µg***** of **CL8912B or CL8912B-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.
7. Wash 2 times at 4°C.
8. Add 100 µl of secondary antibody **CLCSA1001** (Streptavidin-FITC) at a 1:500 dilution.
9. Incubate tubes at 4°C for 30 - 60 minutes.
10. Wash 2 times at 4°C.
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:

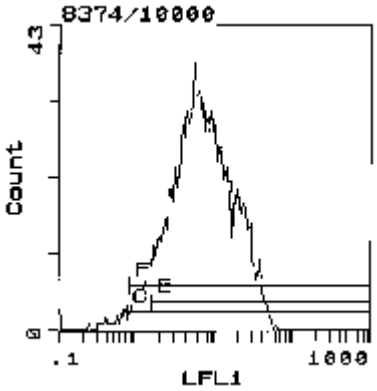
A. Phosphate buffered saline (pH 7.2) + 5% normal serum of host species + sodium azide (100 µl of 2M sodium azide in 100 mls).
B. Phosphate buffered saline (pH 7.2) + 0.5% Bovine serum albumin + sodium azide (100 µl of 2M sodium azide in 100 mls).

Results:

Tissue Distribution by Flow Cytometry Analysis:

Mouse Strain: BALB/c
Cell Concentration : $1x10^6$ cells per tests
Antibody Concentration Used: 0.1 µg/10^6 cells
Isotypic Control: Biotin Mouse IgG_{2b},κ

Cell Source	Percentage of cells stained above control:
Thymus	97.7%
Spleen	26.5%
Bone Marrow	2.6%
Lymph Node	68.3%



Cell Source: Thymus
Percentage of cells stained above control: 97.7%

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
Cell Concentration : $1x10^6$ cells per tests
Antibody Concentration Used: 0.1 µg/10^6 cells
Strains Tested: BALB/C, C3H/He, CBA/J, AKR, ATH
Positive: BALB/C, AKR, ATH
Negative: C3H/He, CBA/J

FOR RESEARCH USE ONLY

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