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- Diagnostik & molekulare Diagnostik
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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PE Anti-Mouse I-A^b Monoclonal Antibody

CL8702PE
LOT: 8252

DESCRIPTION:

Cedarlane's anti-mouse I-A^b monoclonal antibody reacts with the I-A^b encoded MHC class II antigen expressed on mouse strains of the H-2^b haplotype. It also reacts with the I-A^d encoded MHC class II antigen expressed on mouse strains of the H-2^d haplotype. Class II antigens are most highly expressed on antigen-presenting cells including B cells, macrophages, dendritic cells and certain epithelial cells.

PRESENTATION:

50 µg R-PE 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. **DO NOT FREEZE**. Avoid prolonged exposure to light.

SPECIFICATIONS:

Clone: 28-16-8S

Specificity: Mouse MHC class II I-A^b, cross reacts with I-A^d

Ig Class: Mouse IgM

Antibody Concentration: 0.1 mg/ml

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In CANADA: Toll Free: 1-800-268-5058
4410 Paletta Court, Burlington, ON L7L 5R2 ph: (289) 288-0001, fax: (289) 288-0020
e-mail: general@cedarlanelabs.com

In the USA: Toll Free: 1-800-721-1644
1210 Turrentine Street, Burlington, NC 27215 ph: (336) 513-5135, fax: (336) 513-5138
e-mail: service@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 0.2 µg of **CL8702PE** 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:

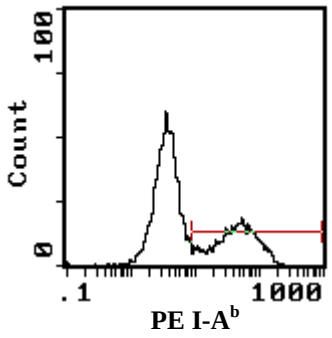
A. Phosphate buffered saline (pH 7.2) + 5% normal serum of host species
   + sodium azide (100 l of 2M sodium azide in 100 mls).
B. Phosphate buffered saline (pH 7.2) + 0.5% Bovine serum albumin +
   sodium azide (100 l of 2M sodium azide in 100 mls).

Results:

Tissue Distribution by Flow Cytometry Analysis:

Mouse strain: BALB/c
Cell Concentration: $1x10^6$ cells per test
Antibody Concentration Used: 0.2 µg/10^6 cells
Isotypic Control: PE Mouse IgM (CLCMGM04)

Cell Source:	Percentage Stained Above Control:
Thymus	28.2%
Spleen	40.7%



Cell Source: Spleen

N.B. Appropriate control samples should always be included in 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. Ozato, K., and Sachs, D.H. 1981. Monoclonal antibodies to mouse MHC Antigens. III. Hybridoma antibodies reacting to antigens of the H-2^b haplotype reveal genetic control of isotype expression. J. Immunol. 126:317-322.

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