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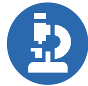
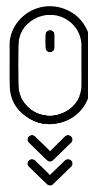
Diagnostik & molekulare Diagnostik

 Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

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- Mindermengenzuschlag
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TECHNICALLY Speaking

Place your order with CEDARLANE® or your local distributor.

Please contact CEDARLANE® for lot specific information.

FITC Anti-Mouse I-A^p Monoclonal Antibody

CL8708F
LOT: 3833

DESCRIPTION:

Cedarlane's anti-I-A^p monoclonal antibody is a cytotoxic antibody which defines a public I-A antigen. This antibody reacts with I-A antigen from the following I-A haplotypes: I-$A^{p,k,q,r,s,b}$. Using recombinant strains, reactivity against the b haplotype has been localized to the A^b subregion. This antibody can be used to quantitate or eliminate I-A bearing cells for precipitating I-A antigen.

PRESENTATION:

100 µg FITC 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. Avoid prolonged exposure to light.

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

CEDARLANE®
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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: 7-16.17

Hybridoma Production:

Immunization: Immunogen: B10.p
Donor: BALB/c

Fusion Partner: SP2/0

Specificity: Mouse-I-$A^{p,k,q,r,s,b}$

Ig Class: Mouse IgG_{2a}

Format: FITC 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 **CL8708F** 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:

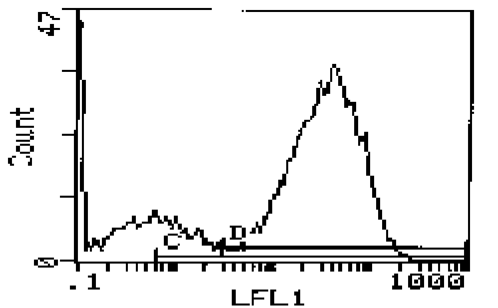
A. Phosphate buffered saline (pH 7.2) + 5% normal serum of host species + sodium azide (100 µl of 2M sodium azide in 100 mls).
B. Phosphate buffered saline (pH 7.2) + 0.5% Bovine serum albumin + sodium azide (100 µl of 2M sodium azide in 100 mls).

Results:

Tissue Distribution by Flow Cytometry Analysis:

Mouse Strain: BDP
Cell Concentration : $1x10^6$ cells per tests
Antibody Concentration Used: 0.1 µg/10^6 cells
Isotypic Control: FITC Mouse IgG_{2a}

Cell Source	Percentage of cells stained above control:
Spleen	76.7%
Lymph Node	40.5%
Bone Marrow	39.4%
Thymus	55.6%



Cell Source: Spleen
Percentage of cells stained above control: 76.7%

N.B. Appropriate control samples should always be included in any labeling 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: As above
Antibody Concentration: 0.2 µg/10^6 cells
Strains Tested:

Strain	H-2 Loci Alleles								+/-
	K	A_β	A_α	E_β	E_α	C4	C4S	D	
BDP	s	s	s	s	s	s	s	d	+
A.TH	s	s	s	s	s	s	s	d	+
C3H/He	k	k	k	k	k	k	k	k	+
C57BL/6	b	b	b	b	b	b	b	b	+
BALB/c	d	d	d	d	d	d	d	d	-

For a more detailed strain distribution - see reference 1.

REFERENCES:

1. Harmon, R.C., Stein, N., Frelinger, J.A. 1983. Immunogenetics 18:541-545.

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EJ/03/17/00