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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 Dendritic Cells (Cell Surface) Monoclonal Antibody

CL89145B
Lot: 14541

DESCRIPTION:

CL89145F (NLDC-145) identifies Ia positive interdigitating cells, veiled cells, and Langerhans cells of the skin and their *in vitro* counterparts. The antigen, also known as DEC-205, is expressed at high levels by dendritic cells and thymic epithelial cells. The dendritic cells that express high levels of the antigen are those in the skin, in the T cell regions of peripheral lymphoid organs and dendritic cells that are grown from proliferating bone marrow precursors in the presence of high dose GM-CSF. DEC-205 can also be expressed on B cells, although at much lower levels. It is absent in freshly isolated macrophages from the peritoneal cavity although a sub-population becomes weakly positive in mice previously stimulated with thioglycollate. The antigen detected by CL89145 is an integral membrane glycoprotein with an apparent mass of 205 kDa. DEC-205 is apparently a receptor involved in antigen-processing by dendritic cells. The antigen recognized by CL89145 is localized in the cytoplasm (after fixation) and on the cell surface. It is more widely distributed than the CL89148 (MIDC-8) antigen which is a very specific cytoplasmic component. This clone can be used in flow cytometry, immunohistochemistry, immunocytochemistry, immunoblotting and for functional studies.

PRESENTATION:

100 µg 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 portions 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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SPECIFICITY: Reacts with interdigitating cells, dendritic cells.

CLONE: NLDC-145

ISOTYPE: Rat IgG_{2a}

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. (Affinity Purified IgG from culture supernatant)

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®-Mouse 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 1.0-0.5 µg***** of **CL89145B**.
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 **CLCSA1004** (PE-Streptavidin) at 1:500 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.

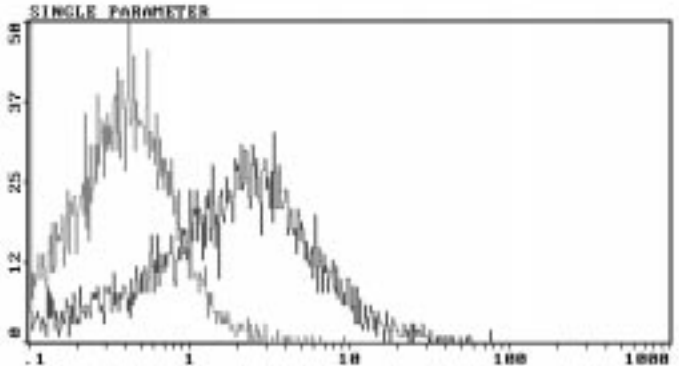
Media:

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: BALB/c
Cell Concentration : $1x10^6$ cells per test
Antibody Concentration Used: 0.5 µg/10^6 cells
Isotypic Control: Biotin Rat IgG_{2a}



LFL2

Cell Source: Dendritic Cells
Percentage of cells stained above control: 39.5 %

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.**

REFERENCES:

1. Kraal, G., *et al*. 1986. *J. Exp. Med*. **163**, 981-987.

2. Breel, M., *et al*. 1987. *Eur. J. Immunol*. **17**: 1555-1559.

3. Inaba, K., Swiggard, *et al*. 1995. *Cellular Immunology.* **163**, 148-156.

4. Witmer-Pack, M. D., *et al*. 1995. *Cellular Immunology*. **163**, 157-162.

5. Saunders, D., *et al*. 1996. *J. Exp. Med*. Vol **184**: 2185-2196.

6. Leenen, P.J., *et al*. 1998. *J. Immunol*. **160**: 2166-2173.

7. Lutz, M. B., *et al*. 1999. *J. Immuno. Methods.* **223:** 77-92.

8. Moodycliffe, A.M., *et al*. 2000. *J. Exp. Med*. **191(11)**: 2011-2020.

9. Takahashi K., *et al*. 1993. *J. Leukocyte. Biol*. **53**: 19-28.

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