SZABO SCANDIC

Part of Europa Biosite

Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic

TECHNICALLY Speaking

Place your order with CEDARLANE® or your local distributor.

Please contact CEDARLANE® for lot specific information.

FITC Anti-Mouse CD11a Monoclonal Antibody

CL8915F
LOT: 91531

DESCRIPTION:

Cedarlane's anti-mouse CD11a (Ly 15.2, LFA-1) monoclonal antibody identifies a cell surface glycoprotein consisting of two non-covalently associated chains with molecular weights of 180kDa (α chain) (1) present on most common lymphocytes and T and B cells.

PRESENTATION:

100 µg (CL8915F) or 300 µg (CL8915F-3) FITC conjugated Ig buffered in PBS, 0.1% 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 and prolonged exposure to light. If the reagent is being diluted, it is recommended that only the quantity to be used within one week be diluted.

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

CEDARLANE® LABORATORIES LIMITED
5516 - 8th Line, R.R.#2, Hornby, Ontario, CANADA L0P 1E0

toll free: 1-800-268-5058
in North America
phone: (905) 878-8891 • fax: (905) 878-7800

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: 8-6.2

Hybridoma Production:

Immunization: Immunogen B6-Ly-1^a Thymus, spleen and lymph node
Donor: 129/ReJ spleen
Fusion Partner: P3 - NS - 1 Ag-4

Specificity: Mouse CD11a

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:

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 ~1.0 µg* of **CL8915F or CL8915F-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.
   (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.

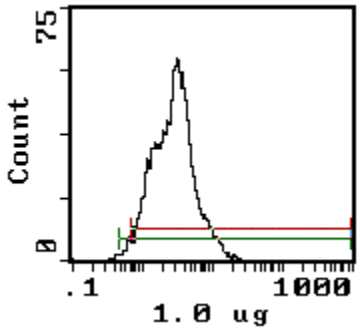
Media:

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: CBA/J
Cell Concentration : $1x10^6$ cells per test
Antibody Concentration Used: 1.0 µg/10^6 cells
Isotypic Control: FITC Mouse IgG_{2a} (CLCMG2A01)

Cell Source	Percentage of cells stained above control:
Thymus	98.5
Spleen	92.2
Lymph Node	96.8



Cell Source: Lymph Node
Percentage of cells stained above control: 86.6%

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: see page 2
Cell Concentration: $1x10^6$ cells per test
Antibody Concentration Used: 1.0 µg/10^6 cells
Strains Tested: /6, BALB/c, AKR, CBA/J, C3H/HE

Positive: C57BL/6, CBA/J, C3H/He
Negative: BALB/c, AKR

REFERENCES

1. Hogarth, P. Mark, Eva M. Eicher, and Ian F.C. McKenzie. 1986. Mapping of the Murine Ly 15 (LFA-1) Locus to Chromosome 7. Immunogenetics.
2. Hogarth, P. Mark, Ian D. Walker, Ian F.C. McKenzie, and Timothy A. Springer. 1985. The Ly-15 alloantigenic system: A Genetically Determined Polymorphism of the Murine Lymphocyte Function - Associated Antigen -1 Molecule. Proc. Natl. Acad. Sci. USA. 82: 526-530.
3 Potter, Terry A., P. Mark Hogarth, and Ian F.C. Mckenzie. 1981. Ly 15; A New Murine Lymphocyte Alloantigenic Locus. Transplantation. 31 (5): 339-342.
4. Marchalonis, John J. ed. The Lymphocyte Structure and Function. 1988. Marcel Dekker, Inc. Nw York. p. 250 - 253.

FOR RESEARCH USE ONLY

EJ 06/05