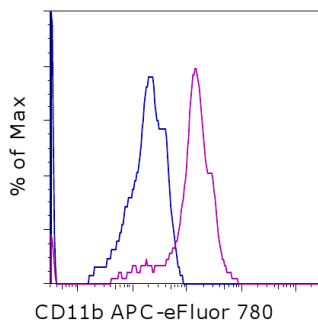


Anti-Human CD11b APC-eFluor® 780

Catalog Number: 47-0118

Also known as: Integrin alpha M, Mac-1 alpha, Complement Receptor 3 alpha

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control APC-eFluor® 780 (cat. 47-4714) (blue histogram) or Anti-Human CD11b APC-eFluor® 780 (purple histogram). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD11b APC-eFluor® 780



Catalog Number: 47-0118

Clone: ICRF44

Concentration: 5 uL (0.25 ug)/test

Host/Isotype: Mouse IgG1, kappa

HLDA Workshop: IV M047



Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C. Do not freeze. Light-sensitive material. This tandem dye is sensitive to photo-induced oxidation. Protect this vial from light during storage, handling & experimental procedures.



Batch Code: Refer to vial



Use By: Refer to vial

Description

The ICRF44 monoclonal antibody reacts with human CD11b, a 165 kDa adhesion molecule. CD11b associated with integrin beta2 (CD18) is expressed on the surface of monocytes, granulocytes, activated lymphocytes and a subset of NK cells. CD11b is a receptor for intercellular adhesion molecule family members CD54, CD102 and CD50 as well as for iC3b. These adhesions are crucial in cell-cell and cell-matrix interactions.

Applications Reported

This ICRF44 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This ICRF44 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.25 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

APC-eFluor® emits at 780 nm and is excited with the Red laser (633 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

Light sensitivity: Tandem is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 uL cell sample + 100 uL IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

Not for further distribution without written consent.

Copyright © 2000-2012 eBioscience, Inc.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.ebioscience.com • info@ebioscience.com

Anti-Human CD11b APC-eFluor® 780

Catalog Number: 47-0118

Also known as: Integrin alpha M, Mac-1 alpha, Complement Receptor 3 alpha

RUO: For Research Use Only. Not for use in diagnostic procedures.

References

Moreau A, Hill M, Thébault P, Deschamps JY, Chiffolleau E, Chauveau C, Moullier P, Anegon I, Alliot-Licht B, Cuturi MC Tolerogenic dendritic cells actively inhibit T cells through heme oxygenase-1 in rodents and in nonhuman primates. *FASEB J.* 2009 May 6. (FC, Cynomolgus macaques)

Sotiriou SN, Orlova VV, Al-Fakhri N, Ihanus E, Economopoulou M, Isermann B, Bdeir K, Nawroth PP, Preissner KT, Gahmberg CG, Koschinsky ML, Chavakis T. Lipoprotein(a) in atherosclerotic plaques recruits inflammatory cells through interaction with Mac-1 integrin. *FASEB J.* 2006 Mar;20(3):559-61.(ICRF44, IHC, frozen)

Sengoku K, Takuma N, Miyamoto T, Horikawa M, Ishikawa M. Integrins are not involved in the process of human sperm-oolemmal fusion. *Hum Reprod.* 2004 Mar;19(3):639-44.(ICRF44, IF, PFA fixed)

Knapp, W., B. Dorken, et al. eds. (1989). *Leucocyte Typing IV: White Cell Differentiation Antigens*. Oxford University Press. New York.

Related Products

47-4714 Mouse IgG1 K Isotype Control APC-eFluor® 780 (P3.6.2.8.1)