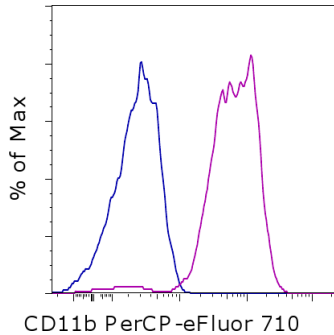


Anti-Human CD11b PerCP-eFluor[®] 710

Catalog Number: 46-0118

Also known as: Integrin alpha M, ITGAM, Mac-1 alpha (Mac1A), Complement Receptor 3 alpha (CR3A)

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



Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control PerCP-eFluor[®] 710 (cat. 46-4714) (blue histogram) or Anti-Human CD11b PerCP-eFluor[®] 710 (purple histogram). Cells in the monocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD11b PerCP-eFluor[®] 710

REF **Catalog Number:** 46-0118

Clone: ICRF44

Concentration: 5 uL (0.125 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.

Batch Code: Refer to vial

Use By: Refer to vial

Contains sodium azide



Description

The ICRF44 monoclonal antibody reacts with human CD11b, a 165 kDa adhesion molecule. CD11b associated with integrin β_2 (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 μ L (0.125 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

PerCP-eFluor[®] 710 can be used in place of PE-Cy5, PE-Cy5.5 or PerCP-Cy5.5. PerCP-eFluor[®] 710 emits at 710 nm and is excited with the blue laser (488 nm). Please make sure that your instrument is capable of detecting this fluorochrome. For a filter configuration, we recommend using the 685 LP dichroic mirror and 710/40 band pass filter, however the 695/40 band pass filter is an acceptable alternative.

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.

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

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 PerCP-eFluor® 710

Catalog Number: 46-0118

Also known as: Integrin alpha M, ITGAM, Mac-1 alpha (Mac1A), Complement Receptor 3 alpha (CR3A)

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

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-oolet 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

46-4714 Mouse IgG1 K Isotype Control PerCP-eFluor® 710 (P3.6.2.8.1)