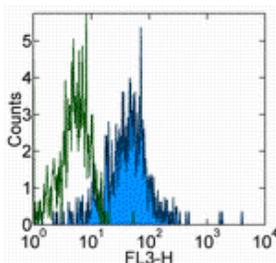


Anti-Human CD11b PE-Cyanine7

Catalog Number: 25-0118

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 PE-Cyanine7 (cat. 25-4714) (open histogram) or Anti-Human CD11b PE-Cyanine7 (filled histogram). Cells in the monocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD11b PE-Cyanine7

REF **Catalog Number:** 25-0118

Clone: ICRF44

Concentration: 5 μ L (1.0 μ g)/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.



LOT **Batch Code:** Refer to Vial

Use By: Refer to Vial

Caution, contains 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 human peripheral blood leukocytes. This can be used at 5 μ L (1.0 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.

Light sensitivity: This tandem dye 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 μ L cell sample + 100 μ L 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

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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-olemmal 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

11-0112 Anti-Mouse CD11b FITC (M1/70)

25-4714 Mouse IgG1 K Isotype Control PE-Cyanine7 (P3.6.2.8.1)

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