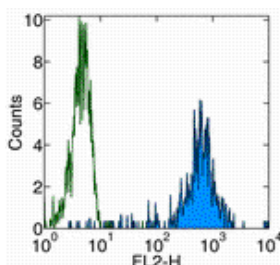


Anti-Human CD11b Purified

Catalog Number: 14-0118

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 Anti-Human CD11b PE. Autofluorescence is indicated by open histogram. Cells in the monocyte population were used for analysis.

Product Information

Contents: Anti-Human CD11b Purified

REF Catalog Number: 14-0118

Clone: ICRF44

Concentration: 0.5 mg/mL


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.

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

The ICRF44 antibody has been reported for use in flow cytometric analysis, and immunohistochemical staining on formaldehyde fixed tissue. ICRF44 has also been reported in inhibition of aggregation of PMNs.

Applications Tested

The ICRF44 antibody has been tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at less than or equal to 1 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. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

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)

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Related Products

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

11-4011 Anti-Mouse IgG FITC

11-4317 Streptavidin FITC

12-4317 Streptavidin PE

13-4013 Anti-Mouse IgG Biotin (Polyclonal)
14-4714 Mouse IgG1 K Isotype Control Purified (P3.6.2.8.1)
17-4317 Streptavidin APC

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