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PE/Cyanine 5.5 Anti-Human CD11b Antibody [ICRF44]

Catalog Number: E-AB-F1146I

Note: Centrifuge before opening to ensure complete recovery of vial contents.

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Reactivity Human Mouse Host

Isotype Mouse IgG1, ĸ Clone No. ICRF44

PE/Cyanine5.5 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792I] Isotype Control

PE/Cyanine 5.5 Conjugation

Conjugation Information PE/Cyanine5.5 is designed to be excited by the Blue (488 nm), Green (532 nm) and

yellow-green (561 nm) lasers and detected using an optical filter centered near 690 nm

(e.g., a 690/50 nm bandpass filter).

Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

Applications Recommended usage

FCM Each lot of this antibody is quality control tested by flow cytometric analysis. The amount

of the reagent is suggested to be used 5 µL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for

individual use.

Preparation & Storage

Storage Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

Antigen Information

Alternate Names CD11 antigen-like family member B;CD11b;CR-3 alpha chain;Integrin alpha-M;Itgam;

Leukocyte adhesion receptor MO1

Uniprot ID P11215 Gene ID 3684

Background CD11b is a 165-170 kD type I transmembrane glycoprotein also known as αMintegrin,

> Mac-1, CR3, and C3biR. CD11b non-covalently associates with integrin $\beta 2 \text{(CD18)}$ and is expressed on granulocytes, monocytes/macrophages, dendritic cells, NK cells, and subsets of T and B cells. CD11b/CD18 is critical for the transendothelial migration of monocytes and neutrophils. It is also involved in granulocyte adhesion, phagocytosis, and neutrophil activation. CD11b/CD18 interacts with ICAM-1 (CD54), ICAM-2 (CD102),

ICAM-4, CD14, CD23, heparin, iC3b, fibrinogen, and factor X.

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