

PE/Cyanine5 Anti-Human CD11b Antibody[ICRF44]

Catalog Number: E-AB-F1146G

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

Description

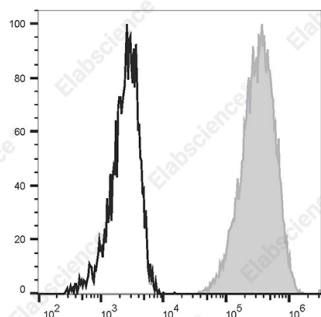
Reactivity	Human
Host	Mouse
Isotype	Mouse IgG1, κ
Clone No.	ICRF44
Isotype Control	PE/Cyanine5 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792G]
Conjugation	PE/Cyanine 5
Conjugation Information	PE/Cyanine5 is designed to be excited by the Blue (488 nm), Green (532 nm) and yellow-green (561 nm) lasers and detected using an optical filter centered near 670 nm (e.g., a 690/50 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA.

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.
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Data



Human peripheral blood granulocytes are stained with PE/Cyanine5 Anti-Human CD11b Antibody[ICRF44] (filled gray histogram) or PE/Cyanine5 Mouse IgG1, κ Isotype Control (empty black histogram).

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

For Research Use Only

Gene ID

3684

Background

CD11b is a 165-170 kD type I transmembrane glycoprotein also known as α MIntegrin, Mac-1, CR3, and C3biR. CD11b non-covalently associates with integrin β 2(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.