

For Research Use Only

# FcZero-rAb™ Biotin Anti-Human CD11b (ICRF44) Rabbit IgG Recombinant Antibody

Catalog Number: Biotin-FcA65582



## Basic Information

**Catalog Number:**

Biotin-FcA65582

**Size:**

100ug , 500 ug/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

BC096346

**GeneID (NCBI):**

3684

**ENSEMBL Gene ID:**

ENSG00000169896

**UNIPROT ID:**

P11215

**Full Name:**

integrin, alpha M (complement component 3 receptor 3 subunit)

**Calculated MW:**

1152 aa, 127 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

ICRF44

**Recommended Dilutions:**

FC: 0.25 ug per 10<sup>6</sup> cells in a 100 µl suspension

**Excitation/Emission maxima wavelengths:**

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## Applications

**Tested Applications:**

FC, ELISA

**Species Specificity:**

human

**Positive Controls:**

FC : human PBMCs,

## Background Information

Integrins are cell adhesion receptors that are heterodimers composed of non-covalently associated  $\alpha$  and  $\beta$  subunits (PMID: 9779984). CD11b, also known as Integrin alpha M or CR3A, belongs to the integrin alpha chain family. CD11b forms an  $\alpha/\beta$  heterodimer with CD18 (integrin  $\beta$ 2). CD11b/CD18 is implicated in various adhesive interactions of monocytes, macrophages and granulocytes as well as in mediating the uptake of complement-coated particles and pathogens (PMID: 9558116; 20008295). CD11b/CD18 is a receptor for the complement protein fragment iC3b, and is also a receptor for fibrinogen, factor X and ICAM1 (PMID: 2971974; 15485828).

## Storage

**Storage:**

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

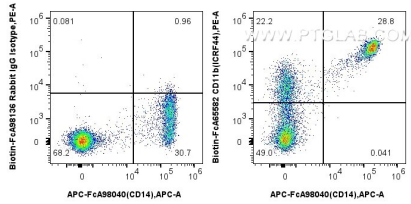
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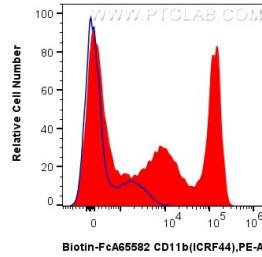
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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with APC Anti-Human CD14, and 0.25 Biotin Anti-Human CD11b (ICRF44) Rabbit IgG RecAb (Biotin-FcA65582, Clone: ICRF44) or FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9), and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed.



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 Biotin Anti-Human CD11b (ICRF44) Rabbit IgG RecAb (Biotin-FcA65582, Clone: ICRF44) (red) or FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue), and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed.