

For Research Use Only

# CoraLite® Plus 488 Anti-Human CD11b (ICRF44)



Catalog Number: CL488-65116

## Basic Information

<b>Catalog Number:</b> CL488-65116	<b>GenBank Accession Number:</b> BC096346	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100tests , 5 µl/test	<b>GeneID (NCBI):</b> 3684	<b>CloneNo.:</b> ICRF44
<b>Source:</b> Mouse	<b>Full Name:</b> integrin, alpha M (complement component 3 receptor 3 subunit)	<b>Recommended Dilutions:</b> IF 1:200-1:800
<b>Isotype:</b> IgG1, kappa	<b>Calculated MW:</b> 1152 aa, 127 kDa	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm

## Applications

<b>Tested Applications:</b> FC, IF	<b>Positive Controls:</b> IF : human peripheral blood mononuclear cells,
<b>Species Specificity:</b> Human	

## 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 0.1% sodium azide and 0.5% BSA, pH 7.3.

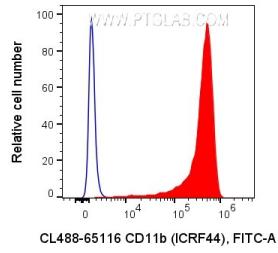
For technical support and original validation data for this product please contact:

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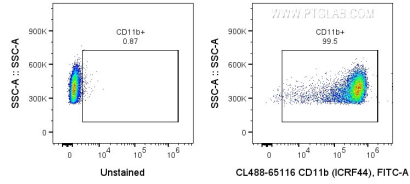
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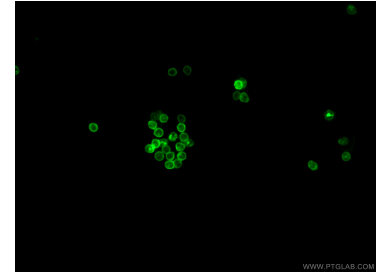
## Selected Validation Data



1X10<sup>6</sup> human PBMCs were surface stained with 5 ul CoraLite® Plus 488 Anti-Human CD11b (CL488-65116, Clone:ICRF44) (red) or unstained (blue). Cells were not fixed. Monocytes were gated.



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Immunofluorescent analysis of human peripheral blood mononuclear cells (PBMCs) using CoraLite® Plus 488-conjugated Anti-Human CD11b (CL488-65116, Clone: ICRF44) at dilution of 1:400.