





# Anti-Human CD11c (BU/15)

	<b>REF</b>			
FITC	I1CF3-100T	100 test	20 µL/test	<b>RUO</b>
PE	I1CPE3-100T	100 test	20 µL/test	
APC	I1CA3-100T	100 test	20 µL/test	
PerCP/Cyanine5.5	I1CPP5.5-100T	100 test	20 µL/test	

## 1. PRODUCT DESCRIPTION

**Clone:** BU-15;  
**Isotype:** IgG1;  
**Tested application:** flow cytometry;  
**Immunogen:** The anti-CD11c monoclonal antibody derives from Synovial fluid dendritic cells;  
**Species reactivity:** Human;  
**Storage instruction:** store in the dark at 2-8 °C;  
**Storage buffer:** aqueous buffered solution containing protein stabilizer and 0.09% sodium azide (NaN<sub>3</sub>);  
**Recommended usage:** Immunostep's CD11c, clone BU-15, is a monoclonal antibody intended for the identification and enumeration of human leucocytes using flow cytometry. This reagent is effective for direct immunofluorescence staining of human tissue for flow cytometric analysis using 1 test for 10<sup>6</sup> cells;  
**Presentation:** liquid;  
**Source:** Supernatant proceeding from an in vitro cell culture of a cell hybridoma;  
**Purification:** Affinity chromatography;  
**Other names:** CR4, p150, 95, Integrin alpha-X, CD11 antigen-like family member C, Leu M5, Leukocyte adhesion glycoprotein p150,95 alpha chain, Leukocyte adhesion receptor p150,97;  
**Gene ID:** 3687;  
**Molecular weight:** 145 - 150 kDa.

## 2. ANTIGEN DETAILS

**Large description:** Human CD11c (alpha X integrin) complexes with CD18 (beta2 integrin) to form the complement receptor type 4 (CR4) heterodimer which binds to fibrinogen and is involved with monocyte/granulocyte adhesion during inflammatory responses. CD11c expression is restricted to leukocytes mainly of myeloid lineage with highest expression on macrophages.<sup>(1-4)</sup>

## 3. WARRANTY

Warranted only to conform to the quantity and contents stated on the label or in the product labelling at the time of delivery to the customer. Immunostep disclaims hereby other warranties.

Immunostep's sole liability is limited to either the replacement of the products or refund of the purchase price.

## 4. ADDITIONAL INFORMATION

For research use only. Not for diagnostic use.

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Unless otherwise indicated by Immunostep by written authorization, this product is intended for research only and is not to be used for any other purpose, including without limitation, for human or animal diagnostic, therapeutic or commercial purposes.

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## 5. REFERENCES

- McMichael AJ. Leucocyte typing III: white cell differentiation antigens. Oxford: Oxford University Press; 1987.
- Petty HR, Todd RF, 3rd. Integrins as promiscuous signal transduction devices. Immunol Today 1996 May;17(5):209-12.
- Sanchez ML, Almeida J, Vidriales B, Lopez-Berges MC, Garcia-Marcos MA, Moro MJ, et al. Incidence of phenotypic aberrations in a series of 467 patients with B chronic lymphoproliferative disorders: basis for the design of specific four-color stainings to be used for minimal residual disease investigation. Leukemia 2002 Aug;16(8):1460-9.
- Sadhu C, Ting HJ, Lipsky B, Hensley K, Garcia-Martinez LF, Simon SI, et al. CD11c/CD18: novel ligands and a role in delayed-type hypersensitivity. J Leukoc Biol 2007 Jun;81(6):1395-403.

## 6. EXPLANATION OF SYMBOLS

	Form
<b>REF</b>	Catalog reference
	Contains sufficient for <n> test
	Quantity per test
	Regulatory Status
<b>RUO</b>	Research Use Only
	Manufacturer

## 7.

### MANUFACTURED BY:



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