

## TECHNICAL DATA SHEET

### CyFlow™ CD11c PE-Cy7 Anti-Hu; Clone BU15

**REF** AL905427

**For Research Use Only.**  
**Not for use in diagnostic or therapeutic procedures.**

### Specifications

<b>Antigen</b>	CD11c
<b>Alternative Names</b>	p150
<b>Clone</b>	BU15
<b>Clonality</b>	monoclonal
<b>Format</b>	PE-Cy7
<b>Host / Isotype</b>	Mouse / IgG1
<b>Species Reactivity</b>	Human, Non-Human Primates
<b>Negative Species Reactivity</b>	—
<b>Quantity</b>	100 tests
<b>Immunogen</b>	Dendritic cells of synovial fluid

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## Specificity

The mouse monoclonal antibody BU15 reacts with CD11c antigen, a 150 kDa integrin expressed mainly on dendritic cells and tissue macrophages.

## Application

The reagent is designed for Flow Cytometry analysis of human blood cells. Recommended usage is 4 µl reagent / 100 µl of whole blood or 10<sup>6</sup> cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.

Other usages may be determined from the scientific literature.

## Storage Buffer

The reagent is provided in stabilizing phosphate buffered saline (PBS) solution, pH ≈7.4, containing 0.1% (w/v) sodium azide.

## Storage and Stability

<b>Storage</b>	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
<b>Stability</b>	Do not use after expiration date stamped on vial label.

## Background Information

CD11c (αX integrin subunit) forms complex with CD18 (β2 integrin subunit) and is expressed mainly on tissue macrophages and dendritic cells. CD11c binds to complement fragment iC3b, fibrinogen, VCAM-1 and ICAM-2 or e.g. CD90. Like other β2 integrins, CD11c/CD18 plays roles in cell migration and phagocytosis. Moreover, interaction of CD11c/CD18 with plasminogen regulates plasmin activities, and interaction with heparin counteracts binding of iC3b.

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The Safety Data Sheet for this product is available at [www.sysmex-partec.com/services](http://www.sysmex-partec.com/services).

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