

For Research Use Only

# Atlantic Blue™ Anti-Human CD11c (BU15)



Catalog Number: AB-65196

## Basic Information

|                                      |  |   |
|--------------------------------------|--|---|
| <b>Catalog Number:</b><br>AB-65196   | <b>GenBank Accession Number:</b><br>BC038237                                       | <b>Purification Method:</b><br>Protein G purification             |
| <b>Size:</b><br>100tests , 5 µl/test | <b>GeneID (NCBI):</b><br>3687  | <b>CloneNo.:</b><br>BU15  |
| <b>Source:</b><br>Mouse              | <b>Full Name:</b><br>integrin, alpha X (complement component 3 receptor 4 subunit) | <b>Excitation/Emission maxima wavelengths:</b><br>404 nm / 458 nm |
| <b>Isotype:</b><br>IgG1, kappa       | <b>Calculated MW:</b><br>1169 aa, 129 kDa  |   |

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
Human

## Background Information

Integrins are cell adhesion receptors that are heterodimers composed of non-covalently associated  $\alpha$  and  $\beta$  subunits (PMID: 9779984). CD11c, also known as integrin  $\alpha X$ , is a type I transmembrane glycoprotein present on a variety of cells, including monocytes/macrophages, granulocytes, a subset of B cells, NK cells and dendritic cells (PMID: 2897326; 1680915; 1694698; 17389580). As a result of its high level of expression on most dendritic cells, CD11c is typically considered to be a marker of conventional dendritic cells (PMID: 27119555). CD11c forms an  $\alpha/\beta$  heterodimer with CD18 (integrin  $\beta 2$ ). CD11c/CD18 acts as a receptor for fibrinogen and is important in monocyte adhesion and chemotaxis (PMID: 1671533).

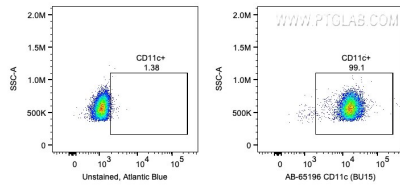
## Storage

**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.

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



1X10<sup>6</sup> human PBMCs were surface stained with 5 ul Atlantic Blue™ Anti-Human CD11c (AB-65196, Clone:BU15). Cells were not fixed. Monocytes were gated.