

For Research Use Only

# Atlantic Blue™ Anti-Human CD11c (3.9)

Catalog Number: AB-65086



## Basic Information

### Catalog Number:

AB-65086

### Concentration:

100 tests, 5 µl/test

### Source:

Mouse

### Isotype:

IgG1, kappa

### GenBank Accession Number:

BC038237

### GeneID (NCBI):

3687

### ENSEMBL Gene ID:

ENSG00000140678

### UNIPROT ID:

P20702

### Full Name:

integrin, alpha X (complement component 3 receptor 4 subunit)

### Calculated MW:

1169 aa, 129 kDa

### Purification Method:

Affinity purification

### CloneNo.:

3.9

### Recommended Dilutions:

FC: 5 µl per 10<sup>6</sup> cells in 100 µl suspension

### Excitation/Emission maxima wavelengths:

404 nm / 458 nm

## Applications

### Tested Applications:

FC

### 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). 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, pH7.3

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

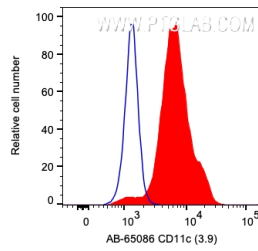
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

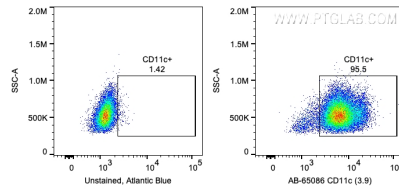
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1X10<sup>6</sup> human PBMCs were surface stained with 5 ul Atlantic Blue™ Anti-Human CD11c (AB-65086, Clone: 3.9). Cells were not fixed. Monocytes were gated.



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