

For Research Use Only

# CoraLite® Plus 647 Anti-Human CD11c (3.9)



Catalog Number:CL647-65086

## Basic Information

<b>Catalog Number:</b> CL647-65086	<b>GenBank Accession Number:</b> BC038237	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100tests , 5 µl/test	<b>GeneID (NCBI):</b> 3687	<b>CloneNo.:</b> 3.9
<b>Source:</b> Mouse	<b>Full Name:</b> integrin, alpha X (complement component 3 receptor 4 subunit)	<b>Excitation/Emission maxima wavelengths:</b> 650 nm / 665 nm
<b>Isotype:</b> IgG1, kappa	<b>Calculated MW:</b> 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 a receptor for fibrinogen and is important in monocyte adhesion and chemotaxis (PMID: 1671533).

## Storage

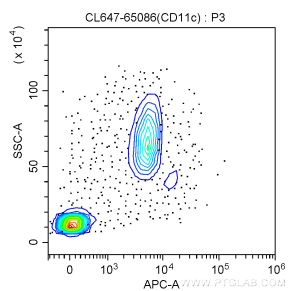
**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.1% sodium azide and 0.5% BSA, pH 7.3.

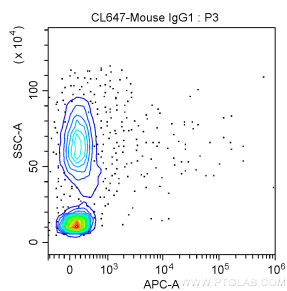
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected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



100 ul human peripheral blood were surface stained with 5.00 ul CoraLite® Plus 647-conjugated Anti-Human CD11c (CL647-65086, Clone:3.9) and then treated with red blood cell lysis buffer. Cells were not fixed.



100 ul human peripheral blood were surface stained with CoraLite® Plus 647-conjugated Mouse IgG1 isotype control and then treated with red blood cell lysis buffer. Cells were not fixed.