

For Research Use Only

# CoraLite® Plus 405 Anti-Mouse CD11c (N418)



Catalog Number: CL405-65130

## Basic Information

<b>Catalog Number:</b> CL405-65130	<b>GenBank Accession Number:</b> BC167225	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100ug, 0.5 mg/ml	<b>GeneID (NCBI):</b> 16411	<b>CloneNo.:</b> N418
<b>Source:</b> Armenian Hamster	<b>Full Name:</b> integrin alpha X	<b>Excitation/Emission maxima wavelengths:</b> 399 nm / 422 nm
<b>Isotype:</b> IgG		

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
Mouse

## 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

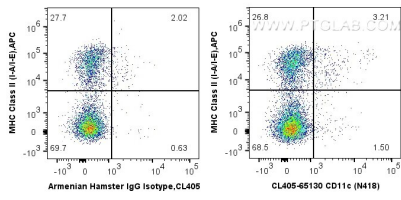
**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.09% sodium azide.

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> mouse splenocytes were surface co-stained with APC Anti-Mouse MHC Class II (I-A/I-E) (M5/114.15.2) and 0.5 ug CoraLite® Plus 405 Anti-Mouse CD11c (CL405-65130, Clone:N418) or 0.5 ug Isotype Control. Cells were not fixed.