

For Research Use Only

# CoraLite®594 Anti-Mouse CD11c (N418)



Catalog Number: CL594-65130

## Basic Information

<b>Catalog Number:</b> CL594-65130	<b>GenBank Accession Number:</b> BC167225	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, 500 µg/ml	<b>GeneID (NCBI):</b> 16411	<b>CloneNo.:</b> N418
<b>Source:</b> Armenian Hamster	<b>UNIPROT ID:</b> Q9QXH4	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Isotype:</b> IgG	<b>Full Name:</b> integrin alpha X	

## 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 0.1% sodium azide and 0.5% BSA, pH 7.3.

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

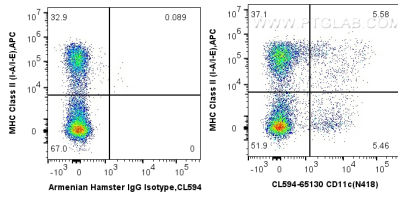
T: 4006900926

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> mouse splenocytes were surface co-stained with APC Anti-Mouse MHC Class II (I-A/I-E) and 0.2 ug CoraLite®594 Anti-Mouse CD11c (CL594-65130, Clone:N418) or 0.2 ug Isotype Control. Cells were not fixed.