

For Research Use Only

# Anti-Mouse CD11c (N418)

Catalog Number: 65130-1-Ig **1 Publications**



## Basic Information

<b>Catalog Number:</b> 65130-1-Ig	<b>GenBank Accession Number:</b> BC167225	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 500ug , 0.5 mg/ml	<b>GeneID (NCBI):</b> 16411	<b>CloneNo.:</b> N418
<b>Source:</b> Armenian Hamster	<b>UNIPROT ID:</b> Q9QXH4	
<b>Isotype:</b> IgG	<b>Full Name:</b> integrin alpha X	

## Applications

**Tested Applications:**  
FC

**Cited Applications:**  
FC

**Species Specificity:**  
Mouse

**Cited Species:**  
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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Xianghui Li	39525955	MedComm (2020)	FC

## Storage

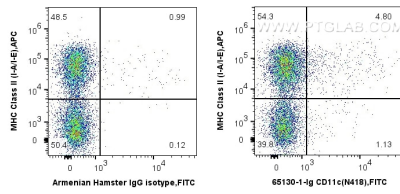
**Storage:**  
Store at 2-8°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.09% sodium azide, pH7.3

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## Selected Validation Data



1X10<sup>6</sup> C57BL/6 mouse splenocytes were surface co-stained with APC Anti-Mouse MHC Class II (I-A/I-E) (M5/114.15.2) and 0.5  $\mu$ g Anti-Mouse CD11c (65130-1-Ig, Clone:N418) and FITC anti-Armenian Hamster IgG Antibody at dilution 1:100, or 0.5  $\mu$ g Armenian Hamster IgG Isotype Control (PIP) and FITC anti-Armenian Hamster IgG Antibody at dilution 1:100. Cells were not fixed.