

For Research Use Only

# CoraLite®594 Anti-Mouse CD11c (N418)



Catalog Number: **CL594-65130**

## Basic Information

Catalog Number:

CL594-65130

Size:

100ug , 500 µg/ml

Source:

Armenian Hamster

Isotype:

IgG

GenBank Accession Number:

BC167225

GeneID (NCBI):

16411

UNIPROT ID:

Q9QXH4

Full Name:

integrin alpha X

Purification Method:

Protein A purification

CloneNo.:

N418

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

## 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.

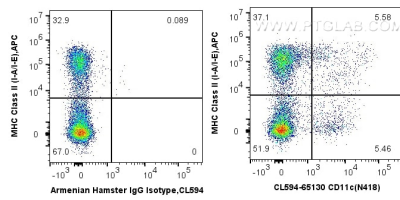
For technical support and original validation data for this product please contact:

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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.