

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

Catalog Number: CL647-65086

## Basic Information

## Catalog Number:

CL647-65086

## Concentration:

100 tests, 5 µl/test

## Source:

Mouse

## Isotype:

IgG1, kappa

## GenBank Accession Number:

BC038237

## GeneID (NCBI):

3687

## ENSEMBL Gene ID:

ENSG00000140678

## UNIPROT ID:

P20702

## Full Name:

integrin, alpha X (complement component 3 receptor 4 subunit)

## Calculated MW:

1169 aa, 129 kDa

## Purification Method:

Affinity purification

## CloneNo.:

3.9

## Recommended Dilutions:

FC: 5 µl per 10<sup>6</sup> cells in 100 µl suspension

## Excitation/Emission maxima wavelengths:

654 nm / 674 nm

## Applications

## Tested Applications:

FC

## Species Specificity:

Human

## Positive Controls:

FC : human peripheral blood monocytes,

## 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 as a receptor for fibrinogen and is important in monocyte adhesion and chemotaxis (PMID: 1671533).

## Storage

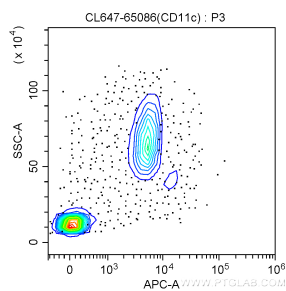
## Storage:

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

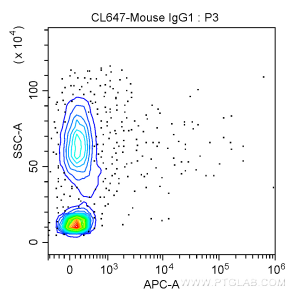
## Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

## 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.