

CoraLite® Plus 647 Anti-Human CD11c (3.9)

Catalog Number: **CL647-65086**

Basic Information

Catalog Number:

CL647-65086

Size:

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

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

Applications

Tested Applications:

FC

Species Specificity:

Human

Background Information

Integrins are cell adhesion receptors that are heterodimers composed of non-covalently associated α and β subunits (PMID: 9779984). CD11c, also known as integrin α 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 α / β heterodimer with CD18 (integrin β 2). CD11c/CD18 acts as a receptor for fibrinogen and is important in monocyte adhesion and chemotaxis (PMID: 1671533).

Storage

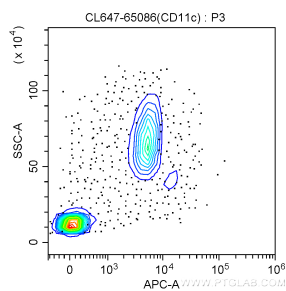
Storage:

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

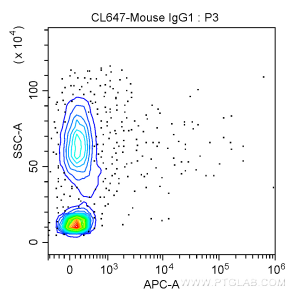
Storage Buffer:

PBS with 0.1% sodium azide and 0.5% BSA, pH 7.3.

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.