

For Research Use Only

# FcZero-rAb™ APC Anti-Human CD11c (3.9) Rabbit IgG Recombinant Antibody

Catalog Number: APC-FcA65568



## Basic Information

Catalog Number:

APC-FcA65568

Size:

100 tests, 5 µl/test

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC038237

GeneID (NCBI):

3687

ENSEMBL Gene ID:

ENSG00000140678

Full Name:

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

Calculated MW:

1169 aa, 129 kDa

Purification Method:

Protein A purification

CloneNo.:

3.9

Recommended Dilutions:

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

Excitation/Emission maximum wavelengths:

650 nm / 660 nm

## Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human PBMCs,

## 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

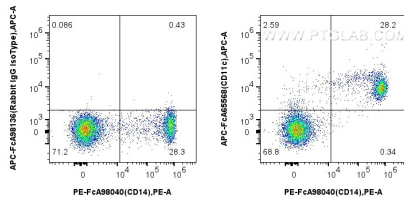
For technical support and original validation data for this product please contact:

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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with PE Anti-Human CD14, and 5 ul APC Anti-Human CD11c (3.9) Rabbit IgG RecAb (APC-FcA65568, Clone: 3.9) or APC Rabbit IgG Isotype Control RecAb (APC-FcA98136, Clone: 240953C9). Cells were not fixed.