

For Research Use Only

# Anti-Human CD11c (3.9) Mouse IgG2a Recombinant Antibody, PBS Only

Catalog Number: 65568-1-PBS



## Basic Information

**Catalog Number:**

65568-1-PBS

**Size:**

1mg, 2mg/ml

**Source:**

Mouse

**Isotype:**

IgG2a

**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

## Applications

**Tested Applications:**

FC

**Species Specificity:**

human

## 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  $-80^{\circ}\text{C}$ . Stable for one year after shipment.

**Storage Buffer:**

PBS Only

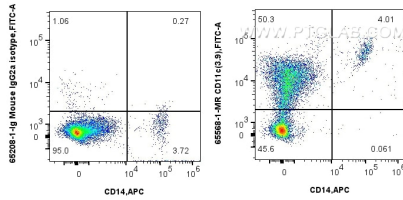
For technical support and original validation data for this product please contact:

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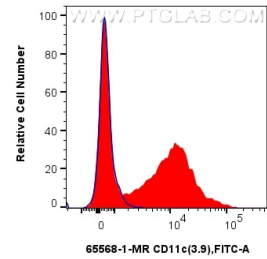
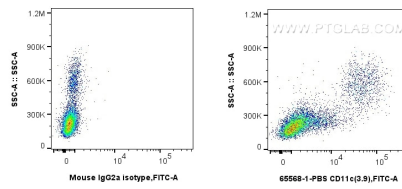
## Selected Validation Data



1x10<sup>6</sup> human peripheral blood leukocytes were surface stained with 0.25 ug Anti-Human CD11c Mouse IgG2a Recombinant Antibody (65568-1-MR, Clone: 3.9) or Mouse IgG2a Isotype Control (65208-1-Ig, Clone: C.1.18.4) and CoralLite®488-Conjugated AffiniPure Donkey Anti-Mouse IgG(H+L). Cells were then stained with APC Anti-Human CD14. Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. This data was developed using the



1x10<sup>6</sup> human PBMCs were surface stained with 0.5 ug Anti-Human CD11c (3.9) Mouse IgG2a Recombinant Antibody, PBS Only (65568-1-PBS, Clone:3.9) or Mouse IgG2a Isotype Control (C.1.18.4) (65208-1-Ig, Clone: C.1.18.4), and CoralLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1). Cells were not fixed.



1x10<sup>6</sup> human peripheral blood leukocytes were surface stained with 0.25 ug Anti-Human CD11c Mouse IgG2a Recombinant Antibody (65568-1-MR, Clone: 3.9) (red) or Mouse IgG2a Isotype Control (65208-1-Ig, Clone: C.1.18.4) (blue) and CoralLite®488-Conjugated AffiniPure Donkey Anti-Mouse IgG(H+L). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. This data was developed using the same antibody clone with 65568-1-PBS in a

