For Research Use Only

Anti-Human CD11c (3.9) Mouse IgG2a Recombinant Antibody

Catalog Number:65568-1-MR

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Basic Information

Catalog Number:
65568-1-MR

Size:
100ug , 1 mg/ml

Source:
Mouse

Isotype:
IgG2a

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:
Protein A purification

CloneNo.:
3.9

Recommended Dilutions:
FC: 0.25 ug per 10^6 cells in a 100 ul suspension

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 α and β subunits (PMID: 9779984). CD11c, also known as integrin αX, 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 β2). CD11c/CD18 acts a receptor for fibrinogen and is important in monocyte adhesion and chemotaxis (PMID: 1671533).

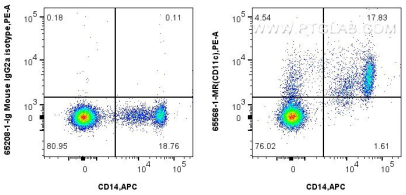
Storage

Storage:
Store at 2-8°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

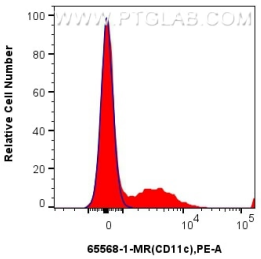
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10^6 human PBMCs were surface stained with 0.25 ug Anti-Human CD11c (3.9) Mouse IgG2a RecAb (65568-1-MR, Clone: 3.9) or 0.25 ug Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4), and PE-conjugated Goat Anti-Mouse IgG. Cells were then stained with APC Anti-Human CD14. Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10^6 human PBMCs were surface stained with 0.25 ug Anti-Human CD11c (3.9) Mouse IgG2a RecAb (65568-1-MR, Clone: 3.9) (red) or 0.25 ug Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4) (blue), and PE-conjugated Goat Anti-Mouse IgG. Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.