

For Research Use Only

Biotin Anti-Human CD11c (3.9) Mouse IgG2a Recombinant Antibody

Catalog Number: Biotin-65568



Basic Information

Catalog Number: Biotin-65568	GenBank Accession Number: BC038237	Purification Method: Protein A purification
Size: 100ug, 500 µg/ml	GeneID (NCBI): 3687	CloneNo.: 3.9
Source: Mouse	ENSEMBL Gene ID: ENSG00000140678	
Isotype: IgG2a	Full Name: integrin, alpha X (complement component 3 receptor 4 subunit)	
	Calculated MW: 1169 aa, 129 kDa	

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 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 $\beta 2$). CD11c/CD18 acts 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.

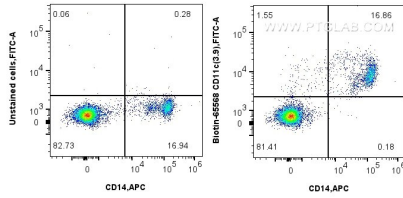
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

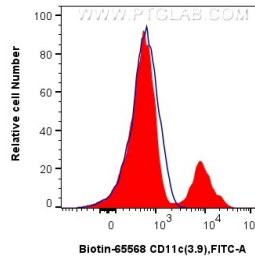
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD11c (3.9) Mouse IgG2a RecAb (Biotin-65568, Clone:3.9) and CoraLite®488-conjugated streptavidin, or unstained. Cells were co-stained with APC Anti-Human CD14 (261C) (APC-65246, Clone: 261C). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10⁶ human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD11c (3.9) Mouse IgG2a RecAb (Biotin-65568, Clone:3.9) and CoraLite®488-conjugated streptavidin (red), or unstained (blue). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.