

For Research Use Only

CoraLite® Plus 405 Anti-Mouse CD11c (N418) Mouse IgG2a Recombinant Antibody

Catalog Number: **CL405-65602**



Basic Information

Catalog Number:

CL405-65602

Size:

100ug , 500 µg/ml

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

BC167225

GeneID (NCBI):

16411

Full Name:

integrin alpha X

Purification Method:

Protein A purification

CloneNo.:

N418

Excitation/Emission maxima wavelengths:

399 nm / 422 nm

Applications

Tested Applications:

FC

Species Specificity:

mouse

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 and 0.5% BSA.

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

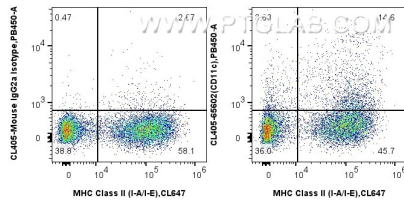
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com

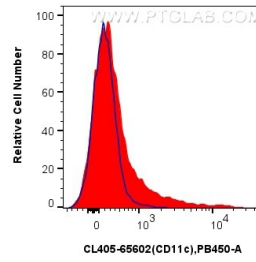
W: ptglab.com

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Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 405 Anti-Mouse CD11c (N418) Mouse IgG2a Recombinant Antibody (CL405-65602, Clone:N418) or CoraLite® Plus 405 Mouse IgG2a Isotype Control (C1.18.4) (CL405-65208, Clone: C1.18.4). Cells were then co-stained with CoraLite® Plus 647 Anti-Mouse MHC Class II (I-A/I-E) (M5/114.15.2) (CL647-65122, Clone: M5/114.15.2). Cells were not fixed.



1x10⁶ mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 405 Anti-Mouse CD11c (N418) Mouse IgG2a Recombinant Antibody (CL405-65602, Clone:N418) (red) or CoraLite® Plus 405 Mouse IgG2a Isotype Control (C1.18.4) (CL405-65208, Clone: C1.18.4) (blue). Cells were not fixed.