

For Research Use Only

CoraLite® Plus 488 Anti-Mouse CD11c (N418)

Catalog Number: CL488-65130



Basic Information

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|---------------------------------------|--|---|
| Catalog Number: CL488-65130 | GenBank Accession Number: BC167225 | Purification Method: Affinity purification |
| Size: 100ug, 0.5 mg/ml | GeneID (NCBI): 16411 | CloneNo.: N418 |
| Source: Armenian Hamster | UNIPROT ID: Q9QXH4 | Recommended Dilutions: IF/ICC 1:200-1:800 |
| Isotype: IgG | Full Name: integrin alpha X | Excitation/Emission maxima wavelengths: 493 nm / 522 nm |

Applications

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|---|--|
| Tested Applications: FC, IF/ICC | Positive Controls: IF/ICC : mouse splenocytes, |
| 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 0.1% sodium azide and 0.5% BSA, pH 7.3.

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

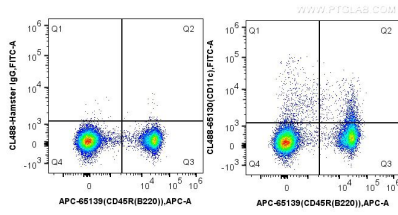
T: 4006900926

E: Proteintech-CN@ptglab.com

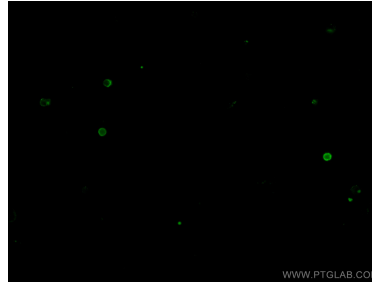
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Selected Validation Data



1×10^6 mouse splenocytes were surface co-stained with APC Anti-Mouse CD45R (B220) (RA3-6B2) and 0.25 μ g CoraLite® Plus 488 Anti-Mouse CD11c (CL488-65130, Clone: N418) or 0.25 μ g isotype control. Cells were not fixed.



Immunofluorescent analysis of mouse splenocytes using CoraLite® Plus 488 CD11c antibody (CL488-65130, Clone: N418) at dilution of 1:400.