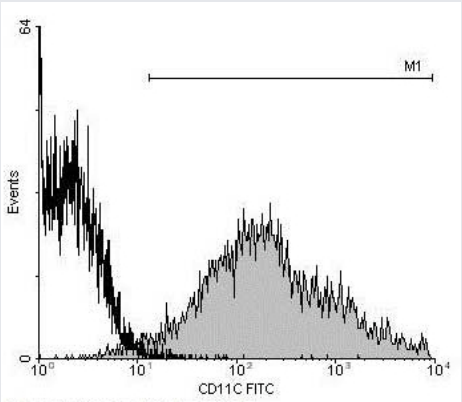
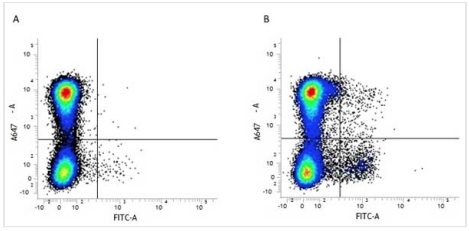
# CD11c Antibody – Hamster Monoclonal

## PRODUCT OVERVIEW

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| **Product Name** | CD11c, Monoclonal Antibody |
| **Full Product Name** | CD11c (Monocyte/Macrophage, CD11 Antigen-like Family Member C, Complement Component 3 Receptor 4 Subunit, Integrin alphaX, ITGAX, ITAX, Leukocyte Adhesion Glycoprotein p150,95 alpha Chain, Leukocyte Adhesion Receptor p150,95, Leu M5, Leukocyte Surface Ant |
| **Product Gene Name** | anti-CD11c antibody |
| **Clonality** | Monoclonal |
| **Isotype** | IgG |
| **Clone Number** | N418 |
| **Host** | Hamster |
| **Species Reactivity** | Mouse |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2. Labeled with MaxLight550. |
| **Purity/Purification** | Purified by protein G affinity chromatography from tissue culture supernatant. |
| **Specificity** | Recognizes mouse CD11c. |
| **Preparation and Storage** | Store at 4 degree C. Do Not Freeze. |
| **Molecular Weight** | 129,151 Da |
| **3D Structure** | ModBase 3D Structure for Q9QXH4 |
| **Immunogen** | Mouse spleen dendritic cells |
| **Conjugate** | MaxLight550 |
| **Product Categories/Family for anti-CD11c antibody** | Antibodies; CD Markers |
| **Applications Tested/Suitable for anti-CD11c antibody** | Flow Cytometry (FC/FACS), Immunofluorescence (IF), Immunohistochemistry (IHC), Immunoprecipitation (IP) |
| **Related Product Information for anti-CD11c antibody** | MBS6254441 is an antibody targeting CD11c. Also known as CD11c (Monocyte/Macrophage, CD11 Antigen-like Family Member C, Complement Component 3 Receptor 4 Subunit, Integrin alphaX, ITGAX, ITAX, Leukocyte Adhesion Glycoprotein p150,95 alpha Chain, Leukocyte Adhesion Receptor p150,95, Leu M5, Leukocyte Surface Ant. Reactive in Mouse. Host: Hamster. |
| **Product References and Citations for anti-CD11c antibody** | 1. Crowley, M. T. et al. (1990) J. Immunol. Methods. 133: 55-66, 2. Metlay, J. P. et al. (1990) J. Exp. Med. 171: 1753-71, 3. Wang, H. et al. (2000) Proc. Natl. Acad. Sci. 97: 847-852. 4. Lundqvist, J. et al. (2010) Infect. Immun. 78: 1924-1930. 5. Beyer, M. et al. (2005) Respir Res. 6: 70. 6. Goupil, M. et al. (2009) Infect Immun. 77: 4136-49. 7. Linehan, S.A. (2005) BMC Immunol. 6:4. 8. Bjorck, P. (2004) J Immunol. 172: 5396-404. 9. Dahlen, E. et al. (1998) Immunol. 160: 3585-93. 10. de Jersey, J. et al. (2002) J Immunol. 169: 6753-9. 11. Dimier-Poisson, I. et al. (2003) Infect Immun. 71: 5254-65. 12. Gonzalez-Juarrero, M. and Orme, I.M. (2001) Infect Immun. 69: 1127-33. 13. Hamada, H. et al. (2002) J Immunol. 168: 57-64. 14. Meng, Q. et al. (2007) Mol Vis. 13: 475-86. 15. Mercier, S. et al. (2002) J Virol. 76: 2899-911. 16. Moos, M.P. et al. (2005) Arterioscler Thromb Vasc Biol. 25: 2386-91. 17. Nunez, R. et al. (1999) Immunol Cell Biol. 77: 153-63. 18. Ponce, L.V. et al. (2005) Kinetoplastid Biol Dis. 4: 2. 19. Zhang, L. et al. (2011) J Mol Endocrinol. Jun 22. |
| **Other Notes** | Small volumes of anti-CD11c antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |




**Flow Cytometry (FC/FACS) of anti-CD11c antibody**
Flow Cytometry evaluation of CD11c expression on dendritic cells using C2262-57D1




**Testing Data of anti-CD11c antibody**
Figure A. Alexa647® conjugated rat anti mouse CD11b and FITC conjugated Hamster IgG isotype control. Figure B. Alexa647® conjugated rat anti mouse CD11b andMBS6249487.

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD11c. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 10946646 |
| **NCBI GeneID** | 16411 |
| **NCBI Accession #** | NP_067309.1 |
| **UniProt Primary Accession #** | Q9QXH4 |
| **UniProt Related Accession #** | Q9QXH4 |
| **GenBank Nucleotide #** | NM_021334.2 |
| **NCBI Official Full Name** | integrin alpha-X |
| **NCBI Official Synonym Full Names** | integrin alpha X |
| **NCBI Official Symbol** | Itgax |
| **NCBI Official Synonym Symbols** | Cr4; N418; Cd11c; AI449405 |
| **UniProt Protein Name** | Integrin alpha-X |
| **UniProt Synonym Protein Names** | CD11 antigen-like family member C; Leukocyte adhesion glycoprotein p150,95 alpha chain; Leukocyte adhesion receptor p150,95; CD_antigen: CD11c |
| **Protein Family** | Integrin |
| **UniProt Gene Name** | Itgax |
| **UniProt Entry Name** | ITAX_MOUSE |
| **NCBI Protein Information** | integrin alpha-X; CD11 antigen-like family member C; CD11C (p150) alpha polypeptide; complement receptor 4; integrin aX; leukocyte adhesion glycoprotein p150,95 alpha chain; leukocyte adhesion receptor p150,95 |

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| **UniProt Comments for CD11c** | ITGAX: Integrin alpha-X/beta-2 is a receptor for fibrinogen. It recognizes the sequence G-P-R in fibrinogen. It mediates cell-cell interaction during inflammatory responses. It is especially important in monocyte adhesion and chemotaxis. Belongs to the integrin alpha chain family.<br><br>Protein type: Membrane protein, integral; Motility/polarity/chemotaxis<br><br>Cellular Component: cell surface; membrane; integral to membrane; integrin complex; external side of plasma membrane<br><br>Molecular Function: metal ion binding<br><br>Biological Process: integrin-mediated signaling pathway; heterotypic cell-cell adhesion; activated T cell proliferation; cell adhesion; defense response to virus |
| **Research Articles on CD11c** | **1.** these findings reveal a role for CSF-1 in mediating the IL-3 hematopoietic pathway through monopoiesis, which regulates expansion of CD11c+ macrophages. |
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