CD11c Antibody – Hamster Monoclonal

PRODUCT OVERVIEW

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 horseradish peroxidase (HRP).
Purity/Purification	Purified by protein G affinity chromatography from tissue culture supernatant.
Specificity	Recognizes mouse CD11c.
Preparation and Storage	Store at -20 degree C.
Molecular Weight	129,151 Da
3D Structure	ModBase 3D Structure for Q9QXH4
Immunogen	Mouse spleen dendritic cells
Conjugate	HRP
Product Categories/Family for anti-CD11c antibody	Antibodies; CD Markers
Applications Tested/Suitable for anti-CD11c antibody	Immunohistochemistry (IHC), Immunoprecipitation (IP)
Related Product Information for anti-CD11c antibody	MBS6250396 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.

ADDITIONAL DETAILS

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

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
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. Protein type: Membrane protein, integral; Motility/polarity/chemotaxis Cellular Component: cell surface; membrane; integral to membrane; integrin complex; external side of plasma membrane Molecular Function: metal ion binding 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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