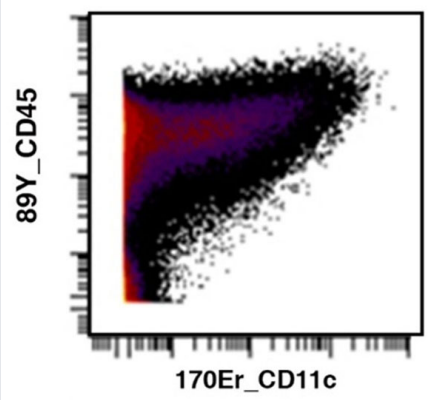
CD11c Antibody – Hamster Monoclonal

PRODUCT OVERVIEW

Product Name	CD11C, Monoclonal Antibody
Full Product Name	Anti-Mouse CD11C In Vivo Antibody - Low Endotoxin (N418)
Product Gene Name	anti-CD11c antibody
Product Synonym Names	Integrin alpha-X; Itgax; Leukocyte adhesion glycoprotein p150;95 alpha chain; Leukocyte adhesion receptor p150;95
Clonality	Monoclonal
Isotype	Armenian Hamster IgG
Clone Number	N418
Host	Armenian Hamster
Species Reactivity	Mouse
Form/Format	0.01 M phosphate buffered saline (PBS) pH 7.2, 150 mM NaCl with no carrier protein, potassium or preservatives added.
Purity/Purification	>95% by SDS-PAGE and HPLC This monoclonal antibody was purified using multi-step affinity chromatography methods such as Protein A or G depending on the species and isotype.
Concentration	1.0mg/ml (lot specific)
Specificity	Anti-CD11C In Vivo Antibody - Low Endotoxin (N418) recognizes an epitope on Mouse CD11C
Preparation and Storage	anti-CD11C In Vivo Antibody - Low Endotoxin (N418) is stable for at least one week when stored sterile at 2-8 degree C. For long term storage aseptically aliquot in working volumes without diluting and store at -80 degree C. Avoid Repeated Freeze Thaw Cycles.
Matching Pairs	Antibody: CD11c Clone #N418 (MBS3030059) Isotype Control: GST Clone #PIP (MBS3030272)
Molecular Weight	129,151 Da
3D Structure	ModBase 3D Structure for Q9QXH4
GMP	Manufactured according to cGMP (Current Good Manufacturing Practice) standards.
Endotoxin	<= 1.0 EU/mg as determined by the LAL method
Immunogen	Mouse spleen dendritic cells
Aggregation	Aggregation level <= 5%
Antigen Distribution	Dendritic cells, NK cells, intestinal intraepithelial lymphocytes (IEL), some activated T cells
Product Categories/Family for anti-CD11c antibody	Low Endotoxin; anti-mouse
Applications Tested/Suitable for anti-CD11c antibody	Western Blot (WB), Flow Cytometry (FC/FACS), Immunoprecipitation (IP), Immunohistochemistry-Frozen (IHC-F), Immunofluorescence (IF), Immunocytochemistry (ICC), ELISA (EIA)
Related Product Information for anti-CD11c antibody	CD11c is a 150 kD glycoprotein primarily expressed on dendritic cells, NK cells, a subset of intestinal intraepithelial lymphocytes (IEL), and some activated T cells.

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.
Searchable Terms for CD11c purchase	MBS3030059 is an antibody targeting CD11c. Also known as Anti-Mouse CD11C In Vivo Antibody - Low Endotoxin (N418). Reactive in Mouse. Host: Armenian Hamster.



Testing Data of anti-CD11c antibody

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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