

# Product Datasheet

## Integrin alpha L/CD11a Antibody (MHM24) - Chimeric - Azide and BSA Free NBP3-09043-0.2mg

Unit Size: 0.2 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP3-09043-0.2mg**

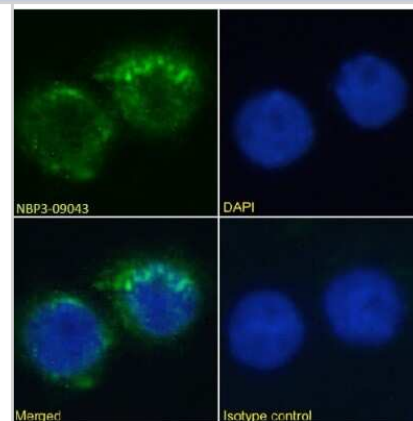
Integrin alpha L/CD11a Antibody (MHM24) - Chimeric - Azide and BSA Free

Product Information	
Unit Size	0.2 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	MHM24
Preservative	0.02% Proclin 300
Isotype	IgG Kappa
Purity	Protein A purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Rabbit Integrin alpha L/CD11a Antibody (MHM24) - Chimeric - Azide and BSA Free (NBP3-09043) is a recombinant monoclonal antibody validated for use in Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	3683
Gene Symbol	ITGAL
Species	Human
Specificity/Sensitivity	MHM24 binds to the CD11a subunit of lymphocyte function-associated antigen. It binds to both the high- and low-affinity forms of the antigen.
Immunogen	Spleen cells from BALB/c mice immunised with EBV-transformed human lymphoblastoid cells were fused with P3-NSUIAg4.1 myeloma cells and the resulting hybridomas were screened for antibody production by a radioimmunoassay on T and B cell lines.
Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Block/Neutralize
Recommended Dilutions	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Block/Neutralize
Application Notes	<p>This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG format, for improved compatibility with existing reagents, assays and techniques.</p> <p>Cytofluorography was used to show the binding of MHM24 to peripheral blood lymphocytes, with 97.3% of cells stained by MHM24 (Hildreth et al, 1983). In inhibition experiments, MHM24 inhibited T cell-mediated lysis of virus-infected cells (Hildreth et al, 1983). Additionally, MHM24 inhibited NK cell-mediated lysis (Hildreth et al, 1983). Flow cytometry showed MHM24 exhibits non-selective binding to high-affinity and low-affinity forms of LFA-1 (Huang et al, 2006). Murine MHM24 was humanised and shown to prevent adhesion of human T cells to human keratinocytes and the proliferation of T cells in response to nonautologous leukocytes (Werther et al, 1996).</p>

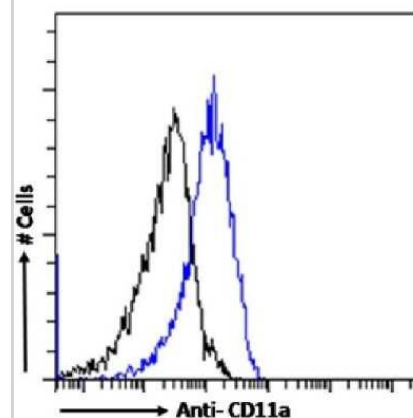


## Images

Immunocytochemistry/Immunofluorescence: Integrin alpha L/CD11a Antibody (MHM24) - Chimeric [NBP3-09043] - Immunofluorescence analysis of paraformaldehyde fixed Jurkat cells immobilized on Shi-fix (TM) cover-slips and stained with the chimeric rabbit IgG version of MHM24 (NBP3-09043) at 10 ug/ml followed by Alexa Fluor(R) 488 secondary antibody (2 ug/ml), showing diffuse membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom NBP3-09043, DAPI, merged channels and an isotype control. The isotype control was stained with anti-Fluorescein antibody followed by Alexa Fluor(R) 488 secondary antibody.



Flow Cytometry: Integrin alpha L/CD11a Antibody (MHM24) - Chimeric [NBP3-09043] - Jurkat cells were stained with anti-Fluorescein IgG antibody (4-4-20; isotype control, black line) or the rabbit IgG1 version of MHM24 (NBP3-09043, blue line) at a dilution of 1:100 for 1h at RT. After washing, bound antibody was detected using a goat anti-mouse IgG AlexaFluor(R) 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.





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### **Products Related to NBP3-09043-0.2mg**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
210-TA-005	TNF-alpha [Unconjugated]
NBL1-12068	Integrin alpha L/CD11a Overexpression Lysate

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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