

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

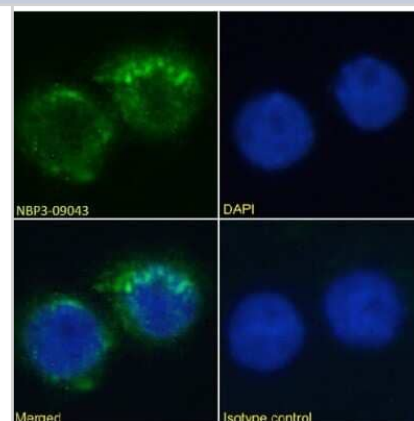
Integrin alpha L/CD11a Antibody (MHM24) - Chimeric - Azide and BSA Free

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	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. 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).

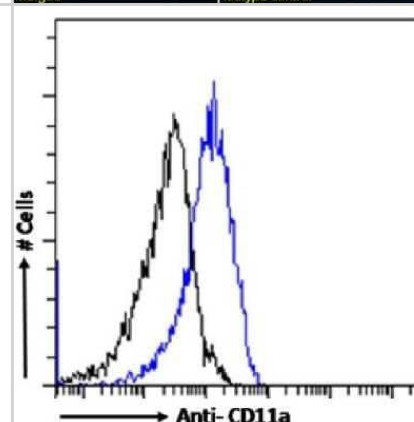


Images

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

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

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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