Product Datasheet

Integrin alpha L/CD11a Antibody (MEM-83) - BSA Free
NB500-309

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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Publications: 1

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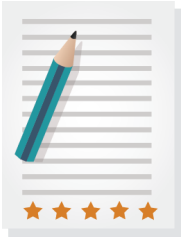
Updated 10/23/2024 v.20.1



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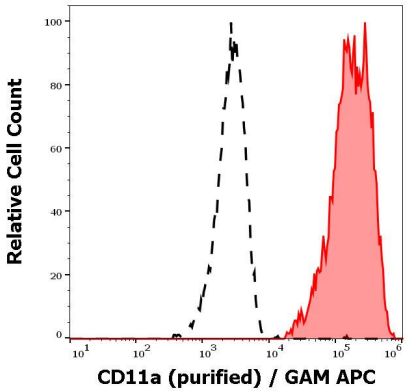
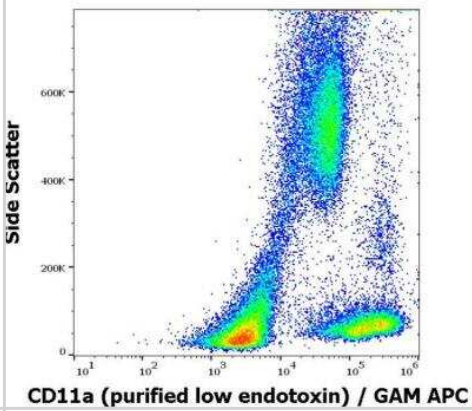
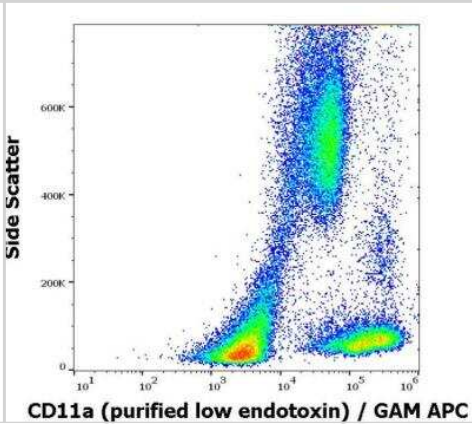
Integrin alpha L/CD11a Antibody (MEM-83) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	MEM-83
Preservative	0.9% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS (pH 7.4)
Target Molecular Weight	180 kDa

Product Description	
Host	Mouse
Gene ID	3683
Gene Symbol	ITGAL
Species	Human
Specificity/Sensitivity	The antibody MEM-83 reacts with CD11a (alpha subunit of human LFA-1), a 170 -180 kDa type I transmembrane glycoprotein expressed on B and T lymphocytes, monocytes, macrophages, neutrophils, basophils and eosinophils. HLDA IV; WS Code N 211
Immunogen	Human peripheral blood lymphocytes.

Product Application Details	
Applications	Flow Cytometry, Immunoprecipitation
Recommended Dilutions	Flow Cytometry 1 ug/ml, Immunoprecipitation 1:50
Application Notes	Functional Application: The antibody MEM-83 directly induces the binding of T cells to purified ICAM-1. Using an in vitro-translated CDlla cDNA deletion series, the MEM-83 activation epitope was mapped to the "I" domain of the LFA-1 alpha subunit. The studies have therefore identified a novel LFA-1 activation epitope mapping to the I domain of LFA-1, which could play a role in the regulation of LFA-1 binding to ICAM-1.

Images

Surface staining pattern of human peripheral blood cells stained using anti-human CD11a (MEM-83) purified antibody (concentration in sample 1 ug/ml) GAM APC.	
Flow Cytometry: Integrin alpha L/CD11a Antibody (MEM-83) - BSA Free [NB500-309] - Surface staining pattern of human peripheral blood cells stained using anti-human CD11a (MEM-83) purified antibody (low endotoxin, concentration in sample 1 ug/ml) GAM APC.	
Flow Cytometry: Integrin alpha L/CD11a Antibody (MEM-83) - BSA Free [NB500-309] - Surface staining pattern of human peripheral blood cells stained using anti-human CD11a (MEM-83) purified antibody (low endotoxin, concentration in sample 1 ug/ml) GAM APC.	

Publications

Liu X, Gibbons RM, Harrington SM et al. Endogenous tumor-reactive CD8+ T cells are differentiated effector cells expressing high levels of CD11a and PD-1 but are unable to control tumor growth. Oncoimmunology 2013-06-01 [PMID: 23894697] (FLOW, Human)

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Products Related to NB500-309

NBL1-12068	Integrin alpha L/CD11a Overexpression Lysate
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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