

# Product Datasheet

## CD53 Antibody (MEM-53) - BSA Free NB500-393

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 2

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**NB500-393**

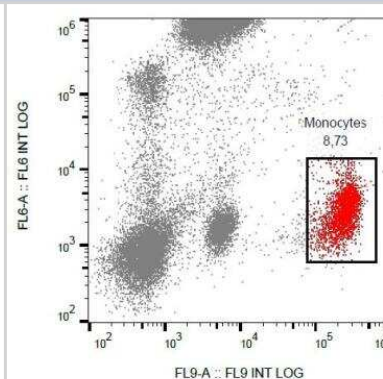
CD53 Antibody (MEM-53) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	MEM-53
Preservative	0.9% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS (pH 7.4)
Target Molecular Weight	40 kDa
Product Description	
Host	Mouse
Gene ID	963
Gene Symbol	CD53
Species	Human
Specificity/Sensitivity	The antibody MEM-53 reacts with CD53, a 32-40 kDa tetraspanin family glycoprotein exclusively expressed on leukocytes; it is not present on platelets, red blood cells and non-hematopoietic cells. The antibody MEM-53 reacts also with deglycosylated molecule (molecular weight of the antigen is reduced by 15 kDa using endoglycosidase F). HLDA IV; WS Code NL 59 HLDA V; WS Code B CD53.5 HLDA V; WS Code BP BP287 HLDA V; WS Code T T-096 HLDA V; WS Code X XB004
Immunogen	Leukocytes of patient suffering from a LGL-type leukemia.
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation, CyTOF-ready
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry 1-5 ug/ml, Immunohistochemistry 1:10-1:500, Immunoprecipitation 1:50, Immunohistochemistry-Frozen 1:200, CyTOF-ready
Application Notes	This antibody is suitable for discrimination of lymphomas from other tumors. Functional Application: The antibody MEM-53 induces activation of monocytes and B lymphocytes. This antibody is CyTOF ready.

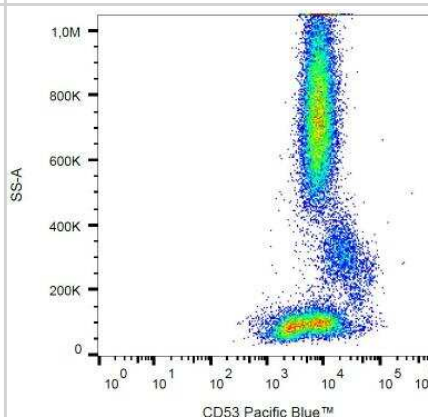


## Images

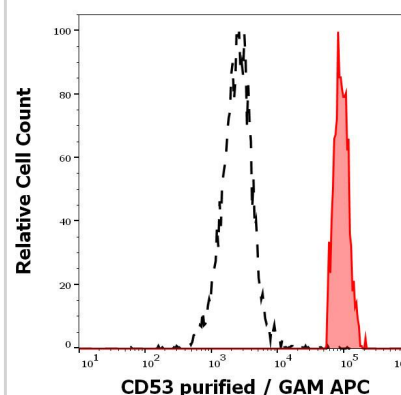
Flow Cytometry: CD53 Antibody (MEM-53) [NB500-393] - Staining of CD53 in human peripheral blood cells with anti-CD53 (MEM-53) PE.



Flow Cytometry: CD53 Antibody (MEM-53) [NB500-393] - Staining of CD53 in human peripheral blood cells with anti-CD53 (MEM-53) Pacific Blue™.



Separation of human monocytes (red-filled) from human CD53 negative blood debris (black-dashed) in Analysis (surface staining) of human peripheral blood stained using anti-human CD53 (MEM-53) purified antibody (concentration in sample 3 ug/ml, GAM APC).



## Publications

Morales-Martínez, M;Andón-García, D;Patiño-Santiago, KA;Parga-Ortega, JM;Hernández-Hernández, A;Aquino-Jarquin, G;Patino-Lopez, G; Identification of potential new T cell activation molecules: a Bioinformatic Approach Scientific reports 2024-09-27 [PMID: 39333573]

Dunlock VME, Arp AB, Jansen E, Charrin S Dynamic regulation of CD45 by tetraspanin CD53 bioRxiv (FLOW, Human)



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### **Products Related to NB500-393**

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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)
NBP2-14464PEP	CD53 Recombinant Protein Antigen

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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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