

# Product Datasheet

## CD43/Sialophorin Antibody (SPM503) - Azide and BSA Free NBP2-34775-0.1mg

Unit Size: 0.1 mg

Store at -20 to -80C. Avoid freeze-thaw cycles.

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Updated 10/23/2024 v.20.1

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**NBP2-34775-0.1mg**

CD43/Sialophorin Antibody (SPM503) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	SPM503
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS

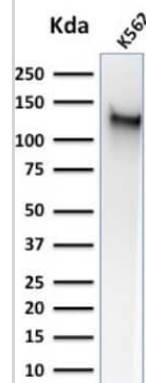
Product Description	
Description	1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-32822).  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.
Host	Mouse
Gene ID	6693
Gene Symbol	SPN
Species	Human
Marker	T-Cell Marker
Specificity/Sensitivity	It recognizes a cell surface glycoprotein of 95/115/135kDa (depending upon the extent of glycosylation), identified as CD43. 70-90% of T-cell lymphomas and from 22-37% of B-cell lymphomas express CD43. No reactivity has been observed with reactive B-cells. So, a B-lineage population that co-expresses CD43 is highly likely to be a malignant lymphoma, especially a low-grade lymphoma, rather than a reactive B-cell population. When CD43 antibody is used in combination with anti-CD20, effective immunophenotyping of the lymphomas in formalin-fixed tissues can be obtained. Co-staining of a lymphoid infiltrate with anti-CD20 and anti-CD43 argues against a reactive process and favors a diagnosis of lymphoma.
Immunogen	Myeloblastic KG1 cells

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
Recommended Dilutions	Western Blot 0.5-1ug/ml, Flow Cytometry 0.5-1ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2ug/ml, Immunohistochemistry-Paraffin 0.5-1ug/ml, CyTOF-ready
Application Notes	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

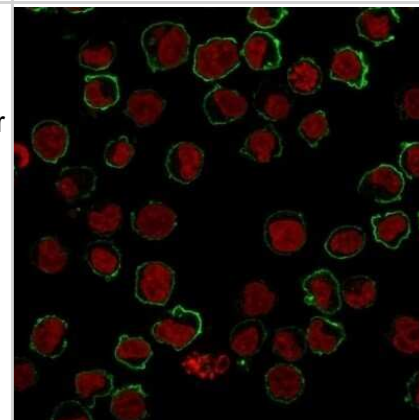


## Images

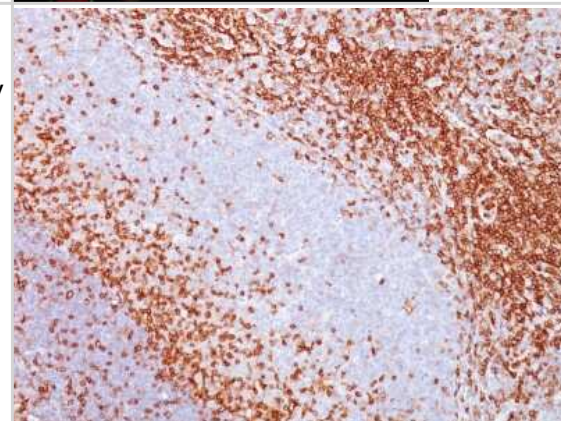
Western Blot: CD43/Sialophorin Antibody (SPM503) - Azide and BSA Free [NBP2-34775] - Western Blot Analysis of K562 cell lysate using CD43/Sialophorin Antibody (SPM503).



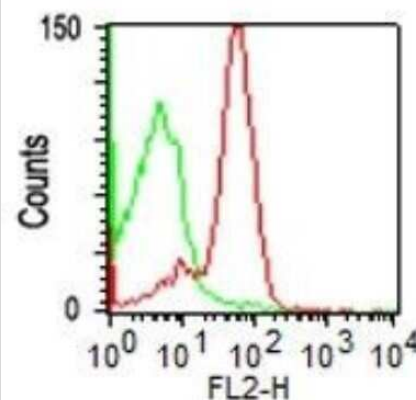
Immunocytochemistry/Immunofluorescence: CD43/Sialophorin Antibody (SPM503) - Azide and BSA Free [NBP2-34775] - Immunofluorescence Analysis of K562 cells labeling CD43 with CD43/Sialophorin Antibody (SPM503) followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is NucSpot Live 650.



Immunohistochemistry-Paraffin: CD43/Sialophorin Antibody (SPM503) - Azide and BSA Free [NBP2-34775] - Formalin-fixed, paraffin-embedded human tonsil stained with CD43/Sialophorin Mouse Monoclonal Antibody (SPM503).



Flow Cytometry: CD43/Sialophorin Antibody (SPM503) - Azide and BSA Free [NBP2-34775] - CD43 expression by lymphocyte gated population of PBMC: PBMC stained either with CD43 MAb (SPM503) or isotype control.





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### **Products Related to NBP2-34775-0.1mg**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-23472	Recombinant Human CD43/Sialophorin His Protein

### **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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