

# Product Datasheet

## CD43/Sialophorin Antibody (SPN/1094) - Azide and BSA Free NBP2-47880-0.1mg

Unit Size: 0.1 mg

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

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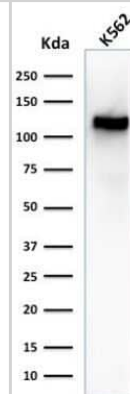
**NBP2-47880-0.1mg**

CD43/Sialophorin Antibody (SPN/1094) - Azide and BSA Free

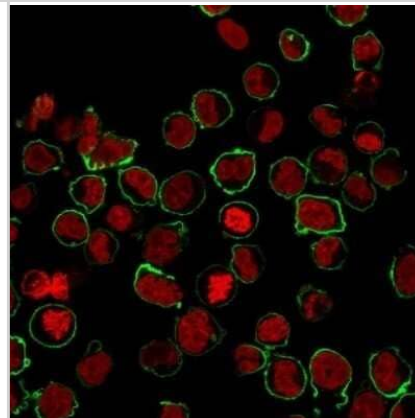
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	SPN/1094
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS
Product Description	
Description	1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-44651).  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
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	Recombinant full-length human CD43/Sialophorin protein (Uniprot: P16150)
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready, Immunofluorescence
Recommended Dilutions	Western Blot, Flow Cytometry 0.5 - 1 ug/million cells in 0.1 ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 0.5 - 1.0 ug/ml, Immunofluorescence 1 - 2 ug/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

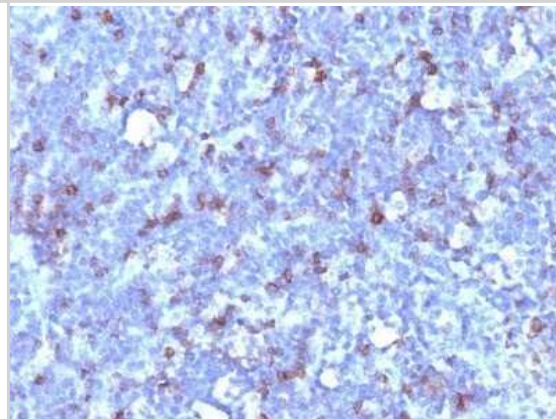
Western Blot: CD43/Sialophorin Antibody (SPN/1094) - Azide and BSA Free [NBP2-47880] - Western Blot Analysis of K562 cell lysate using CD43/Sialophorin Antibody (SPN/1094).



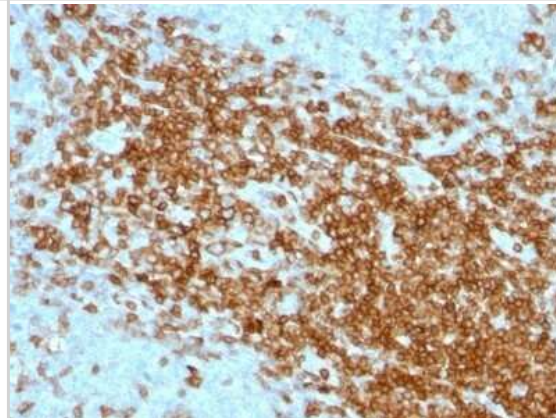
Immunocytochemistry/Immunofluorescence: CD43/Sialophorin Antibody (SPN/1094) - Azide and BSA Free [NBP2-47880] - Immunofluorescence Analysis of K562 cells labeling CD43 with CD43/Sialophorin Antibody (SPN/1094) followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is NucSpot(R).



Immunohistochemistry-Paraffin: CD43/Sialophorin Antibody (SPN/1094) - Azide and BSA Free [NBP2-47880] - Human Lymphoma stained with CD43 Monoclonal Antibody (SPN/1094).



Immunohistochemistry-Paraffin: CD43/Sialophorin Antibody (SPN/1094) - Azide and BSA Free [NBP2-47880] - Human Tonsil stained with CD43 Monoclonal Antibody (SPN/1094).





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### **Products Related to NBP2-47880-0.1mg**

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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

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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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