

# Product Datasheet

**CD43/Sialophorin Antibody (SPN/2049R)**

**NBP3-07239-100ug**

Unit Size: 100 ug

Store at 4C.

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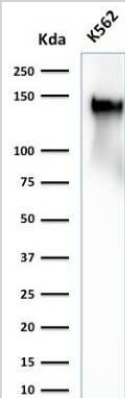
**NBP3-07239-100ug**

CD43/Sialophorin Antibody (SPN/2049R)

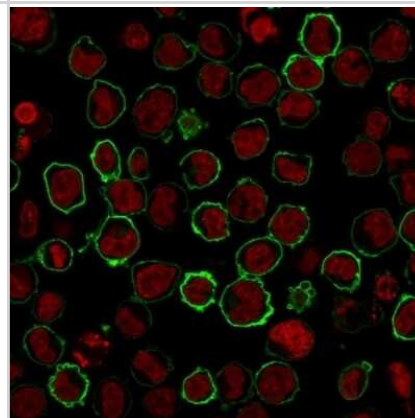
Product Information	
Unit Size	100 ug
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	SPN/2049R
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Product Description	
Description	200ug/ml of antibody purified by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP3-08244)  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Rabbit
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. From 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
Recommended Dilutions	Western Blot 1-2 ug/ml, Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml
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

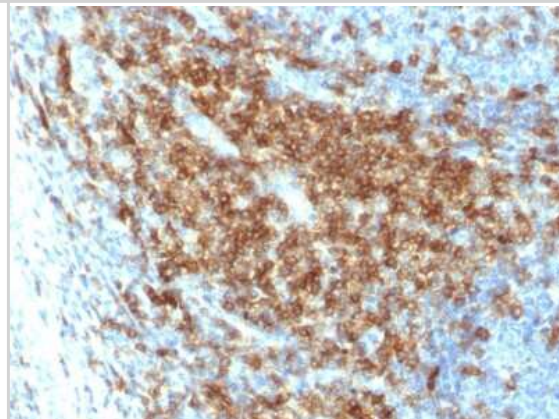
Western Blot: CD43/Sialophorin Antibody (SPN/2049R) [NBP3-07239] - Western Blot Analysis of K562 cell lysate using CD43/Sialophorin Rabbit Recombinant Monoclonal Antibody (SPN/2049R)



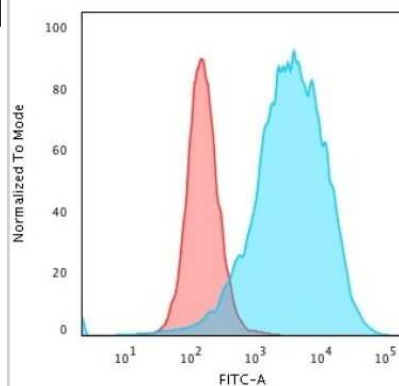
Immunocytochemistry/Immunofluorescence: CD43/Sialophorin Antibody (SPN/2049R) [NBP3-07239] - Immunofluorescence Analysis of K562 cells labeling CD43/Sialophorin with CD43/Sialophorin Rabbit Recombinant Monoclonal Antibody (SPN/2049R) followed by Goat anti-rabbit IgG-CF488 (Green). The nuclear counterstain is NucSpot.



Immunohistochemistry-Paraffin: CD43/Sialophorin Antibody (SPN/2049R) [NBP3-07239] - Formalin-fixed, paraffin-embedded human Tonsil stained with CD43/Sialophorin Rabbit Recombinant Monoclonal Antibody (SPN/2049R).



Flow Cytometry: CD43/Sialophorin Antibody (SPN/2049R) [NBP3-07239] - Flow Cytometric Analysis of PFA-fixed K562 cells using CD43/Sialophorin Rabbit Recombinant Monoclonal Antibody (SPN/2049R) followed by Goat anti-rabbit IgG-CF488 (Blue); Isotype Control (Red)





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### **Products Related to NBP3-07239-100ug**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
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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