

# Product Datasheet

## CD43/Sialophorin Antibody (W3/13) - BSA Free NB100-64992-250ug

Unit Size: 250 ug

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NB100-64992-250ug**

CD43/Sialophorin Antibody (W3/13) - BSA Free

Product Information	
Unit Size	250 ug
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	W3/13
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS

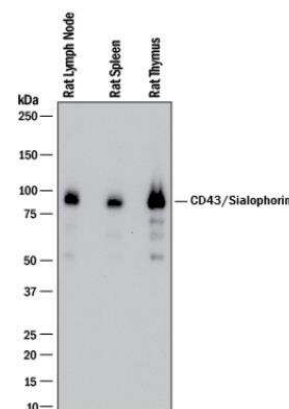
Product Description	
Description	Novus Biologicals Mouse CD43/Sialophorin Antibody (W3/13) - BSA Free (NB100-64992) is a monoclonal antibody validated for use in IHC, WB and Flow. Anti-CD43/Sialophorin Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	6693
Gene Symbol	SPN
Species	Rat
Reactivity Notes	Reacts with Rat.
Specificity/Sensitivity	Rat CD43 cell surface antigen.
Immunogen	Rat thymocyte membrane glycoproteins

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 0.5 ug/ml, Flow Cytometry 1:25-1:100, Immunohistochemistry 5 ug/ml, Immunohistochemistry-Paraffin 5 ug/ml, Immunohistochemistry-Frozen 1:10-1:500
Application Notes	This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Use in Western blot reported in scientific literature (PMID 7504163).

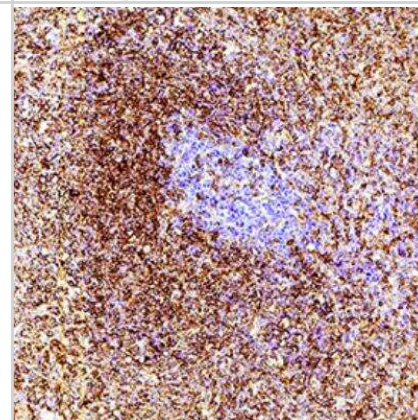


## Images

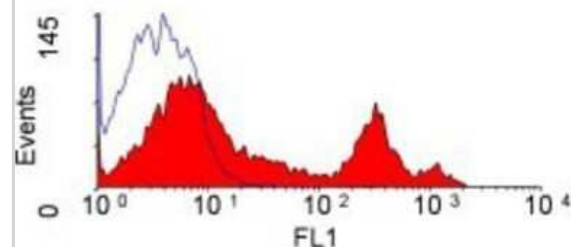
**Western Blot: CD43/Sialophorin Antibody (W3/13) [NB100-64992]** - Western blot shows lysates of rat lymph node, rat spleen tissue, and rat thymus tissue. PVDF membrane was probed with 0.5 ug/mL of Mouse Anti-Rat CD43 Monoclonal Antibody (Catalog # NB100-64992) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). A specific band was detected for CD43 at approximately 90 kDa (as indicated). This experiment was conducted under reducing conditions.



**Immunohistochemistry-Paraffin: CD43/Sialophorin Antibody (W3/13) [NB100-64992]** - CD43 was detected in immersion fixed paraffin-embedded sections of rat thymus using Mouse Anti-Rat CD43 Monoclonal Antibody (Catalog # NB100-64992) at 5 ug/mL for 1 hour at room temperature followed by incubation with the Anti-Mouse IgG VisUCyte™ HRP Polymer Antibody (Catalog # VC001). Before incubation with the primary antibody, tissue was incubated with VisUBlock™ Mouse on Mouse Blocking Reagent (Catalog # VB001) and then subjected to heat-induced epitope retrieval using Antigen Retrieval Reagent-Basic (Catalog # CTS013). Tissue was stained using DAB (brown) and counterstained with hematoxylin (blue). Specific staining was localized to lymphocytes.



**Flow Cytometry: CD43/Sialophorin Antibody (W3/13) [NB100-64992]** - Staining of rat splenocytes using CD43 FITC.



## Publications

Crook K, Hunt SV. Enrichment of early fetal-liver hemopoietic stem cells of the rat using monoclonal antibodies against the transferrin receptor, Thy-1, and MRC-OX82. *Dev Immunol.* [PMID: 8924759] (FLOW, Rat)

Nagai Y, Inobe M, Kikuchi K, Uede T. Functional and phenotypical analysis of subsets of rat CD4+ T cells. *Microbiol Immunol.* [PMID: 7504163] (WB, Rat)

Yamanaka Y, Shigetani Y, Yoshida K et al. Immunohistochemical analysis of subcutaneous tissue reactions to methacrylate resin-based root canal sealers. *Int Endod J.* 2011-07-01 [PMID: 21375543]



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### **Products Related to NB100-64992-250ug**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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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