

# Product Datasheet

## CD24 Antibody (SN3) - BSA Free NB100-64861

Unit Size: 0.1 mg

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

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**NB100-64861**

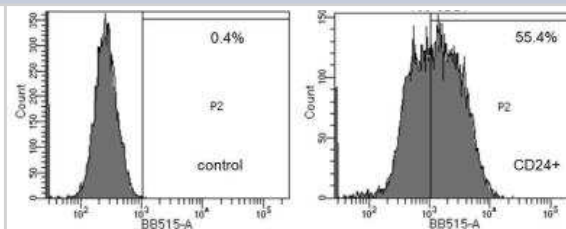
CD24 Antibody (SN3) - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	SN3
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	100133941
<b>Gene Symbol</b>	CD24
<b>Species</b>	Human
<b>Reactivity Notes</b>	Predicted cross-reactivities: Chimpanzee
<b>Specificity/Sensitivity</b>	Recognizes the human CD24 cell surface antigen, a heavily glycosylated molecule of 35-45kD. CD24 is expressed by granulocytes and B lymphocytes, and by some activated T cells and T cell malignancies.
<b>Immunogen</b>	Glycoproteins purified from human NALM-1 cell line
<b>Product Application Details</b>	
<b>Applications</b>	Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen
<b>Recommended Dilutions</b>	Flow Cytometry 1/50-1/100, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500
<b>Application Notes</b>	This CD24 antibody is validated for IHC-P from a verified customer review.

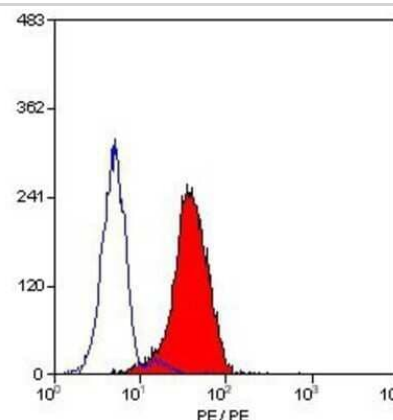


## Images

Flow Cytometry: CD24 Antibody (SN3) - BSA Free [NB100-64861] - SUM159PT cells were stained with CD24 antibody (NB100-64861AF488, 0.5 ug/10<sup>6</sup> cells). Left: unstain; Right: CD24 antibody stain. Image from verified customer review.



Flow Cytometry: CD24 Antibody (SN3) [NB100-64861] - Staining of human peripheral blood granulocytes with MOUSE ANTI HUMAN CD24: RPE.



## Publications

Zuo Q, Yang Y, Lyu Y, Yang C, Chen C, Salman S, Huang T, Wicks E, Jackson W, Datan E, Qin W, Semenza G  
Plexin-B3 expression stimulates MET signaling, breast cancer stem cell specification, and lung metastasis. *Cell Rep*, 2023-02-28;42(3):112164. 2023-02-28 [PMID: 36857181]

Todoroki K, Abe Y, Matsuo K et Al. Prognostic effect of programmed cell death ligand 1/programmed cell death 1 expression in cancer stem cells of human oral squamous cell carcinoma *Oncol Lett* 2024-02-01 [PMID: 38249811]

Zhang, W;Zeng, Y;Xiao, Q;Wu, Y;Liu, J;Wang, H;Luo, Y;Zhan, J;Liao, N;Cai, Y; An in-situ peptide-antibody self-assembly to block CD47 and CD24 signaling enhances macrophage-mediated phagocytosis and anti-tumor immune responses *Nature communications* 2024-07-06 [PMID: 38971872]

Chou CW, Hung CN, Chiu CH et al. Phagocytosis-initiated tumor hybrid cells acquire a c-Myc-mediated quasi-polarization state for immunoevasion and distant dissemination *Nature communications* 2023-10-17 [PMID: 37848444] (FLOW, Human)

Aroldi A, Mauri M, Ramazzotti D et al. Effects of blocking CD24 and CD47 'don't eat me' signals in combination with rituximab in mantle-cell lymphoma and chronic lymphocytic leukaemia *Journal of cellular and molecular medicine* 2023-08-31 [PMID: 37654003] (FLOW, Human)

Chen K, Dai M, Luo Q et al. PARP1 controls the transcription of CD24 by ADP-ribosylating the RNA helicase DDX5 in pancreatic cancer *The international journal of biochemistry & cell biology* 2022-12-27 [PMID: 36584909]

Takashima K, Fujii S, Komatsuzaki R et al. CD24 and CK4 are upregulated by SIM2, and are predictive biomarkers for chemoradiotherapy and surgery in esophageal cancer *Int J Oncol* 2020-01-17 [PMID: 32124945]

Barkal AA, Brewer RE, Markovic M et al. CD24 signalling through macrophage Siglec-10 is a target for cancer immunotherapy *Nature* 2019-08-01 [PMID: 31367043] (FLOW, Human)



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### **Products Related to NB100-64861**

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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)
NBP3-18205	Recombinant Mouse CD24 Fc 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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