

# Product Datasheet

## Aminopeptidase N/CD13 Antibody (ER-BMDM1) - BSA Free NB100-64843

Unit Size: 0.125 mg

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

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### Publications: 8

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Updated 9/9/2025 v.20.1

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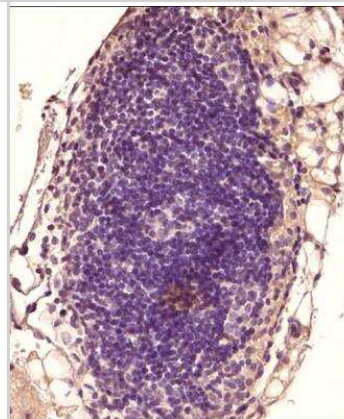


**NB100-64843****Aminopeptidase N/CD13 Antibody (ER-BMDM1) - BSA Free**

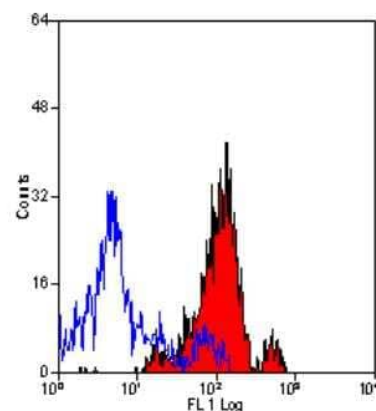
<b>Product Information</b>	
<b>Unit Size</b>	0.125 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	ER-BMDM1
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG2a
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rat Aminopeptidase N/CD13 Antibody (ER-BMDM1) - BSA Free (NB100-64843) is a monoclonal antibody validated for use in IHC and Flow. Anti-Aminopeptidase N/CD13 Antibody: Cited in 8 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rat
<b>Gene ID</b>	290
<b>Gene Symbol</b>	ANPEP
<b>Species</b>	Mouse
<b>Specificity/Sensitivity</b>	NB100-64843 recognizes the murine homologue of human CD13.
<b>Immunogen</b>	Aminopeptidase N/CD13 Antibody (ER-BMDM1) made from Balb/c bone marrow derived macrophages.
<b>Product Application Details</b>	
<b>Applications</b>	Immunohistochemistry-Paraffin, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen
<b>Recommended Dilutions</b>	Flow Cytometry 1:10 - 1:50, Immunohistochemistry 1:10 - 1:500, Immunohistochemistry-Paraffin 1:10 - 1:500, Immunohistochemistry-Frozen 1:10 - 1:500
<b>Application Notes</b>	For Flow Cytometry: Use 10 uL of the suggested working dilution to label 10 <sup>6</sup> cells in 100 uL.

## Images

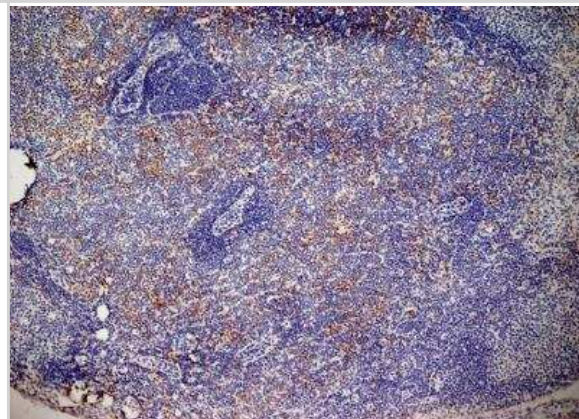
Immunohistochemistry-Paraffin: Aminopeptidase N/CD13 Antibody (ER-BMDM1) [NB100-64843] - Analysis of an FFPE tissue section of the mouse lymph node using 1:200 dilution of CD13 antibody.



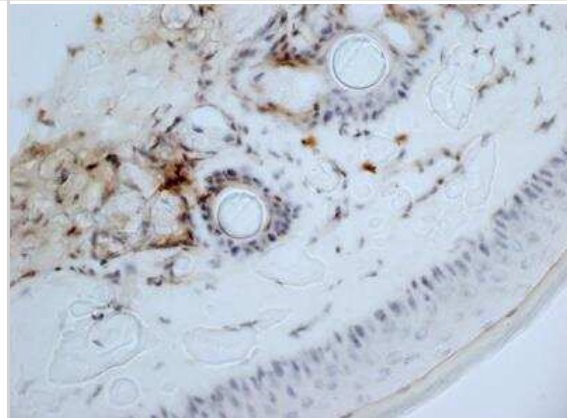
Flow Cytometry: Aminopeptidase N/CD13 Antibody (ER-BMDM1) [NB100-64843] - Staining of mouse peripheral blood granulocytes with rat anti-mouse CD13.



Immunohistochemistry-Frozen: Aminopeptidase N/CD13 Antibody (ER-BMDM1) [NB100-64843] - Mouse lymph node cryosection anti-CD13 antibody.



Immunohistochemistry-Paraffin: Aminopeptidase N/CD13 Antibody (ER-BMDM1) [NB100-64843] - Staining of a mouse tail cryosection with anti-mouse CD13 antibody.



## Publications

Bebelman MP, Bovyn MJ, Mayer CM et al. Hepatocyte apical bulkheads provide a mechanical means to oppose bile pressure *Journal of Cell Biology* 2023-04-03 [PMID: 36716168] (Flow Cytometry, Mouse)

Schlich A, Syga S, Morales-Navarrete H et al. Quantification of nematic cell polarity in three-dimensional tissues *PLOS Computational Biology* 2020-12-10 [PMID: 33301446] (Flow Cytometry, Mouse)

Belicova L, Repnik U, Delpierre J et al. Anisotropic expansion of hepatocyte lumina enforced by apical bulkheads *Journal of Cell Biology* 2021-10-04 [PMID: 34328499] (Flow Cytometry, Mouse)

Mayer C, Nehring S, Kücken M et al. Apical bulkheads accumulate as adaptive response to impaired bile flow in liver disease *EMBO reports* 2023-09-06 [PMID: 37522754] (Flow Cytometry, Mouse)

Bebelman MP, Belicova L, Gralinska E et al. Hepatocyte differentiation requires anisotropic expansion of bile canaliculi *Development* 2024-10-07 [PMID: 39373104]

Morales-Navarrete H, Nonaka H et al. Liquid-crystal organization of liver tissue. *Elife* 2019-06-17 [PMID: 31204997] (IF/IHC, Mouse)

Yousef H, Czupalla CJ, Lee D et al. Aged blood impairs hippocampal neural precursor activity and activates microglia via brain endothelial cell VCAM1. *Nat Med* 2019-05-13 [PMID: 31086348] (FLOW, Mouse)

Czupalla C, Yousef H, Wyss-Coray T, Butcher E. Collagenase-based Single Cell Isolation of Primary Murine Brain Endothelial Cells Using Flow Cytometry *BIO-PROTOCOL* 2018-11-16 [PMID: 30637296] (FLOW, Mouse)





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### **Products Related to NB100-64843**

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HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
NB7115	Goat anti-Rat IgG (H+L) Secondary Antibody [HRP]
NBP2-21947-0.1mg	Rat IgG2a Isotype Control (2A3)
NB100-64843APC	Aminopeptidase N/CD13 Antibody (ER-BMDM1) [Allophycocyanin]

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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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