

# Product Datasheet

## SEMA3D Antibody - BSA Free

### NBP1-85517

Unit Size: 0.1 ml

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

[www.novusbio.com](http://www.novusbio.com)



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Updated 1/13/2026 v.20.1

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**NBP1-85517**

SEMA3D Antibody - BSA Free

Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

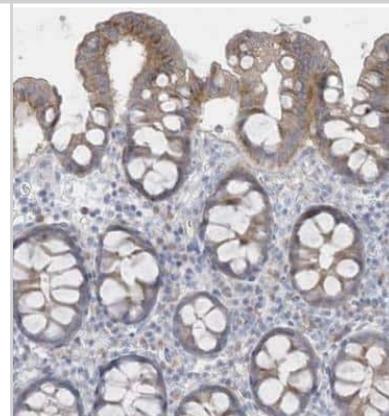
Product Description	
<b>Description</b>	Novus Biologicals Rabbit SEMA3D Antibody - BSA Free (NBP1-85517) is a polyclonal antibody validated for use in IHC. Anti-SEMA3D Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	223117
<b>Gene Symbol</b>	SEMA3D
<b>Species</b>	Human
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: LYSGTASDFLGKDTAFTRSLGPTHDDHHYIRTDISEHYWLNQAKFIGTFFIPDTYN PDDDKIYFFFRESSQEGSTSDKTILSRVGRVCKNDVG

Product Application Details	
<b>Applications</b>	Immunohistochemistry-Paraffin, Immunohistochemistry
<b>Recommended Dilutions</b>	Immunohistochemistry 1:50 - 1:200, Immunohistochemistry-Paraffin 1:50 - 1:200
<b>Application Notes</b>	IHC-Paraffin, HIER pH 6 retrieval is recommended.

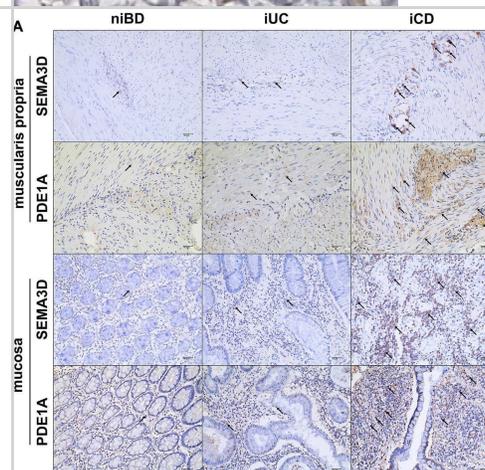


## Images

Immunohistochemistry-Paraffin: SEMA3D Antibody [NBP1-85517] - Staining of human colon shows moderate cytoplasmic positivity in glandular cells.



Abundant expression of SEMA3D and PDE1A proteins in layers of muscularis propria and mucosa in inflamed CD specimens. (A) Immunohistochemistry (IHC) images showing representative colon specimens from patients with CD and UC, including non-inflammatory and inflammatory samples. Staining demonstrates expression of SEMA3D and PDE1A at a magnification of  $\times 20$ . The scale bar corresponds to 40  $\mu\text{m}$ . (B,C) Graphs presenting the quantification of staining (percentage of DAB-positive tissue) in niBD, iUC, and iCD cohorts (niBD,  $n = 4$ ; iUC,  $n = 7$ ; iCD,  $n = 15$ ). Statistical analysis was performed using Fisher's LSD test. Nonsignificant p-values ( $>0.05$ ) are denoted. Asterisks (\*) indicate statistical significance levels: \* $p \leq 0.05$ , \*\* $p \leq 0.01$ . Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/37727374>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



## Publications

Yang Y, Xia L, Yang W et al. Transcriptome profiling of intact bowel wall reveals that PDE1A and SEMA3D are possible markers with roles in enteric smooth muscle apoptosis, proliferative disorders, and dysautonomia in Crohn's disease *Frontiers in Genetics* 2023-08-31 [PMID: 37727374] (Immunohistochemistry-Paraffin, Human)

Wang Z, Ding M, Qian N et al. Decreased expression of semaphorin 3D is associated with genesis and development in colorectal cancer. *World J Surg Oncol.* 2017-03-20 [PMID: 28320475] (IF/IHC, Human)

Luzon-Toro B, Fernandez RM, Torroglosa A et al. Mutational Spectrum of Semaphorin 3A and Semaphorin 3D Genes in Spanish Hirschsprung patients. *PLoS One* 2013-01-01 [PMID: 23372769] (IHC-P, Human)



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### **Products Related to NBP1-85517**

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NBP1-85517PEP	SEMA3D Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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