

# Product Datasheet

## Nodal Antibody (5C3) - Azide and BSA Free H00004838-M03

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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



[technical@novusbio.com](mailto:technical@novusbio.com)

### Publications: 2

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Updated 2/21/2025 v.20.1

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**H00004838-M03**

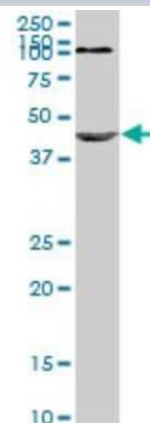
Nodal Antibody (5C3) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	5C3
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	4838
Gene Symbol	NODAL
Species	Human, Mouse, Rat
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Specificity/Sensitivity	NODAL - nodal homolog (mouse)
Immunogen	NODAL (NP_060525, 275 a.a. ~ 346 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. RCEGECNPVGEFHTNHAYIQSLLKRYQPHRVPSTCCAPVKTKPLSMLYVD NGRVLLDHHKDMIVEECGC
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for IF, IHC-P and ELISA.

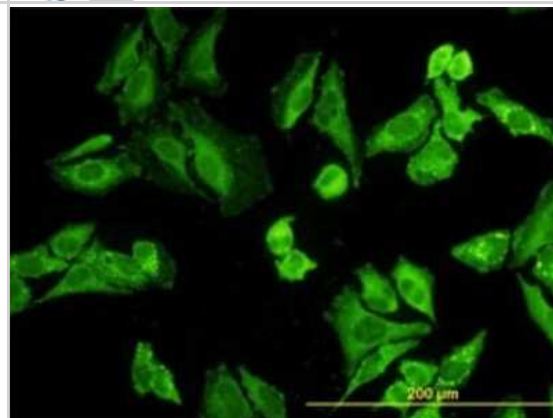


## Images

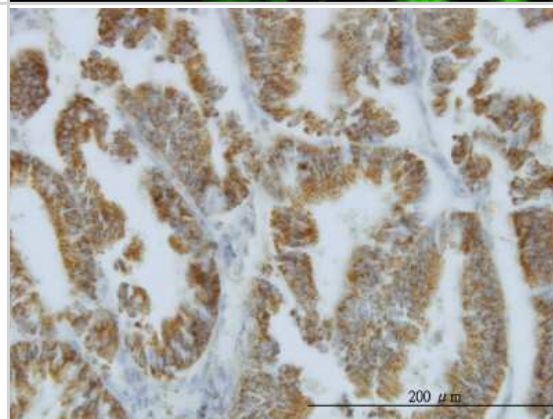
Western Blot: Nodal Antibody (5C3) [H00004838-M03] - Analysis of NODAL expression in Raw 264.7 (Cat # L024V1).



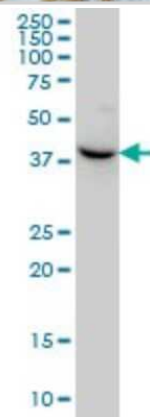
Immunocytochemistry/Immunofluorescence: Nodal Antibody (5C3) [H00004838-M03] - Analysis of monoclonal antibody to NODAL on HeLa cell. Antibody concentration 10 ug/ml



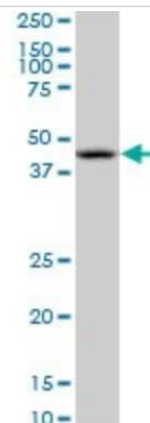
Immunohistochemistry-Paraffin: Nodal Antibody (5C3) [H00004838-M03] - Analysis of monoclonal antibody to NODAL on formalin-fixed paraffin-embedded human endometrium cancer. Antibody concentration 3 ug/ml



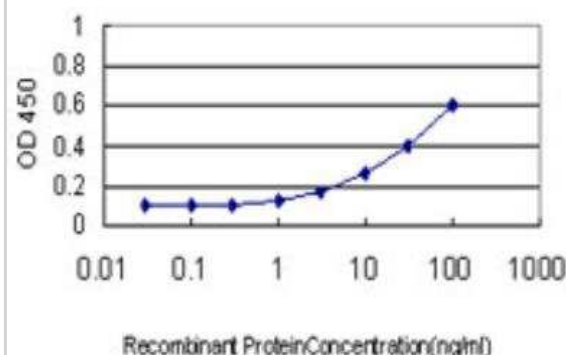
Western Blot: Nodal Antibody (5C3) [H00004838-M03] - Analysis of NODAL expression in HeLa (Cat # L013V1).



Western Blot: Nodal Antibody (5C3) [H00004838-M03] - Analysis of NODAL expression in PC-12 (Cat # L012V1).



ELISA: Nodal Antibody (5C3) [H00004838-M03] - Detection limit for recombinant GST tagged NODAL is approximately 0.3ng/ml as a capture antibody.



## Publications

Lawrence MG, Margaryan NV, Loessner D et Al. Reactivation of embryonic nodal signaling is associated with tumor progression and promotes the growth of prostate cancer cells Prostate 2012-08-01 [PMID: 21656830]

Lawrence MG, Margaryan NV, Loessner D et al. Reactivation of embryonic nodal signaling is associated with tumor progression and promotes the growth of prostate cancer cells. Prostate. 2011-01-12 [PMID: 21229563]

**Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

**Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

**Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

**General Contact Information**

[www.novusbio.com](http://www.novusbio.com)  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

**Products Related to H00004838-M03**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-13664PEP	Nodal Recombinant Protein Antigen

**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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