

# Product Datasheet

## Endoglin/CD105 Antibody (3A9) - BSA Free NBP2-22122

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)



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

**Reviews: 3 Publications: 8**

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-22122](http://www.novusbio.com/NBP2-22122)

Updated 9/9/2025 v.20.1

**Earn rewards for product  
reviews and publications.**

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP2-22122](http://www.novusbio.com/reviews/destination/NBP2-22122)



**NBP2-22122**

Endoglin/CD105 Antibody (3A9) - BSA Free

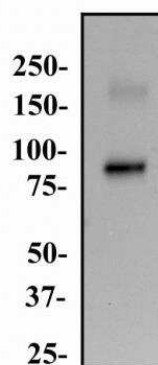
Product Information	
Unit Size	0.1 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3A9
Preservative	0.03% Sodium Azide
Isotype	IgG1
Purity	Ammonium sulfate precipitation
Buffer	PBS
Target Molecular Weight	71 kDa

Product Description	
Description	Novus Biologicals Mouse Endoglin/CD105 Antibody (3A9) - BSA Free (NBP2-22122) is a monoclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-Endoglin/CD105 Antibody: Cited in 7 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	2022
Gene Symbol	ENG
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 27322553).
Marker	Neo-endothelial Cells Marker
Immunogen	Purified recombinant fragment of human CD105 expressed in E. coli. [Uniprot: P17813]

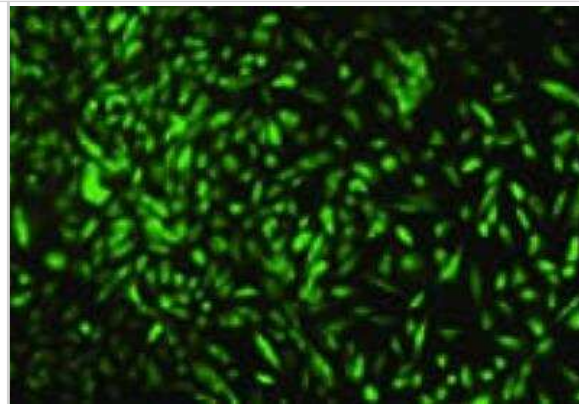
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-1:2000, ELISA 1:10000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:200-1:1000. Use reported by customer review, Immunohistochemistry-Paraffin 1:200-1:1000

**Images**

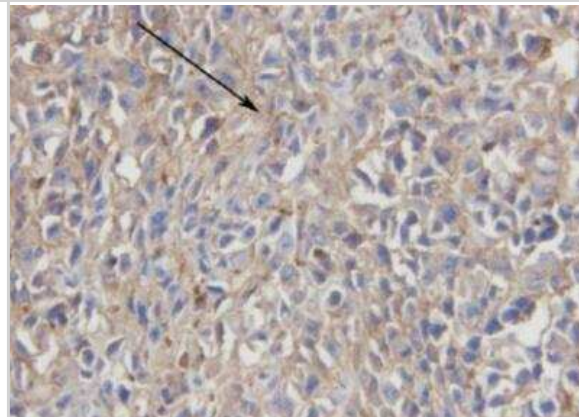
Western Blot: Endoglin/CD105 Antibody (3A9) [NBP2-22122] - Whole cell protein from HUVEC was separated on a 7.5% gel polyacrylamide gel and transferred to PVDF membrane. The membrane was probed with anti-CD105 antibody at 2 ug/ml and detected with an anti-mouse HRP labeled secondary antibody using chemiluminescence.



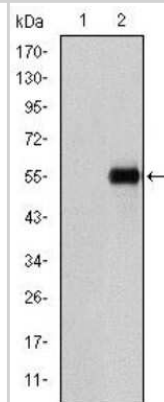
Immunocytochemistry/Immunofluorescence: Endoglin/CD105 Antibody (3A9) [NBP2-22122] - Human endometrial stromal cells stained with Endoglin/CD105 antibody. Image from verified customer review.



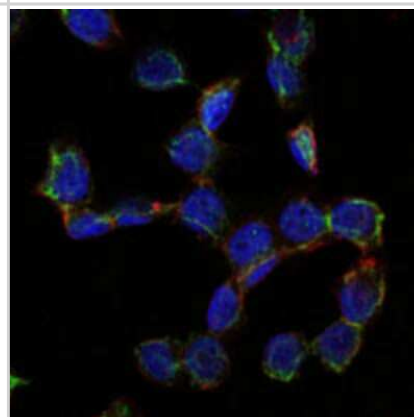
Immunohistochemistry-Paraffin: Endoglin/CD105 Antibody (3A9) [NBP2-22122] - Immunohistochemical staining of endoglin (CD105) in B16F10 murine melanoma tumor model. IHC-P image submitted by a verified customer review.



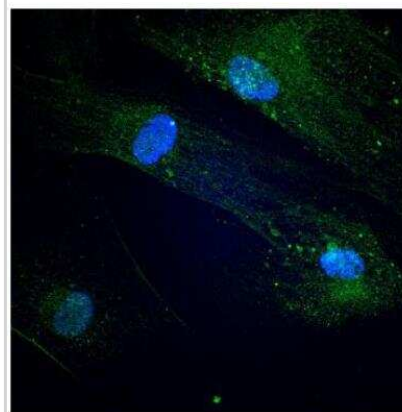
Western Blot: Endoglin/CD105 Antibody (3A9) [NBP2-22122] - Analysis using CD105 mAb against HEK293 (1) and CD105 (AA: 331-567)-hlgGfc transfected HEK293 (2) cell lysates.



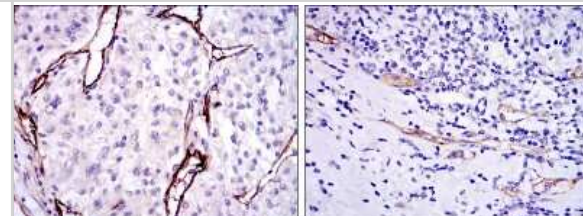
Immunocytochemistry/Immunofluorescence: Endoglin/CD105 Antibody (3A9) [NBP2-22122] - Analysis of HepG2 cells using CD105 mouse mAb (green). DRAQ5 fluorescent DNA dye (blue). Actin filaments have been labeled with Alexa Fluor555 phalloidin (red).



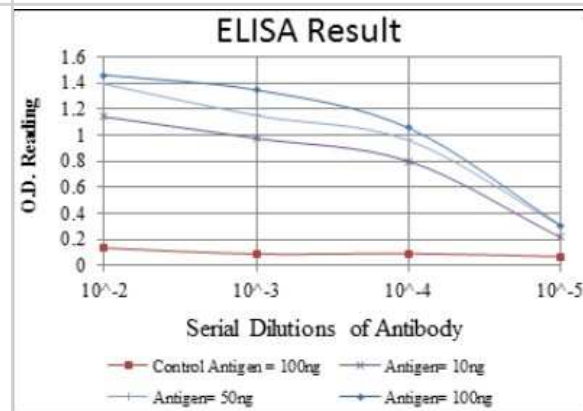
Immunocytochemistry/Immunofluorescence: Endoglin/CD105 Antibody (3A9) [NBP2-22122] - HMSC cells stained with anti-CD105 antibody. ICC/IF image submitted by a verified customer review.



Immunohistochemistry-Paraffin: Endoglin/CD105 Antibody (3A9) [NBP2-22122] - Analysis of paraffin-embedded kidney cancer tissues (left) and stomach cancer tissues (right) using CD105 mouse mAb with DAB staining.



ELISA: Endoglin/CD105 Antibody (3A9) [NBP2-22122] - Red: Control Antigen (100 ng), Purple: Antigen (10 ng), Green: Antigen (50 ng), Blue: Antigen (100 ng).



## Publications

Weng Y, Feng Y, Li Z et al. Zfp260 choreographs the early stage osteo-lineage commitment of skeletal stem cells Nat Commun 2024-11-24 [PMID: 39582024]

Filidou E, Kandilogiannakis L, Tarapatzi G et al. A Simplified and Effective Approach for the Isolation of Small Pluripotent Stem Cells Derived from Human Peripheral Blood Biomedicines 2023-03-05 [PMID: 36979766] (Immunocytochemistry/ Immunofluorescence, Human)

Bosoteanu M, Deacu M, Aschie M et al. The Role of Pathogenesis Associated with the Tumor Microclimate in the Differential Diagnosis of Uterine Myocytic Tumors Journal of clinical medicine 2023-06-20 [PMID: 37373854] (IHC, Human)

Qiao X, Bhave S, Swain L et al. Myocardial Injury Promotes Matrix Metalloproteinase-9 Activity in the Renal Cortex in Preclinical Models of Acute Myocardial Infarction Journal of cardiovascular translational research 2021-03-29 [PMID: 33782857] (WB)

Esteban-Vives R, Ziembicki J, Choi MS et al. Isolation and Characterization of a Human Fetal Mesenchymal Stem Cell Population: Exploring the Potential for Cell Banking in Wound Healing Therapies Cell Transplant 2019-08-13 [PMID: 31407589] (ICC/IF, Human)

Calabrese G, Giuffrida R, Forte S et al. Human adipose-derived mesenchymal stem cells seeded into a collagen-hydroxyapatite scaffold promote bone augmentation after implantation in the mouse Sci Rep 2017 Aug 02 [PMID: 28769083] (ICC/IF, Human)

Calabrese G, Giuffrida R, Forte S et al. Human adipose-derived mesenchymal stem cells seeded into a collagen-hydroxyapatite scaffold promote bone augmentation after implantation in the mouse Sci Rep 2017 Aug 02 [PMID: 28769083] (Flow, Human)

D'Amico L, Belisario D, Migliardi G et al. C-met inhibition blocks bone metastasis development induced by renal cancer stem cells Oncotarget 2016-07-19 [PMID: 27322553] (IHC-P, Mouse)





### **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  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP2-22122**

---

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)

---

### **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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP2-22122](http://www.novusbio.com/reviews/submit/NBP2-22122)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

