

## Product datasheet for **TA336920**

### CD105 (ENG) Mouse Monoclonal Antibody [Clone ID: 3A9]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	3A9
Applications:	ELISA, ICC/IF, IHC, WB
Recommended Dilution:	Immunocytochemistry/ Immunofluorescence: 1:200-1:1000, ELISA: 1:10000, Western Blot: 1:500-1:2000, Immunohistochemistry-Paraffin: 1:200-1:1000, Immunohistochemistry
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human CD105 expressed in E. coli. [UniProt# P17813]
Formulation:	PBS, 0.03% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Ammonium sulfate precipitation
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	71 kDa
Gene Name:	endoglin
Database Link:	<a href="#">NP_000109</a> <a href="#">Entrez Gene 2022 Human P17813</a>
Background:	This gene encodes a homodimeric transmembrane protein which is a major glycoprotein of the vascular endothelium. This protein is a component of the transforming growth factor beta receptor complex and it binds TGFB1 and TGFB3 with high affinity. Mutations in this gene cause hereditary hemorrhagic telangiectasia, also known as Osler-Rendu-Weber syndrome 1, an autosomal dominant multisystemic vascular dysplasia.



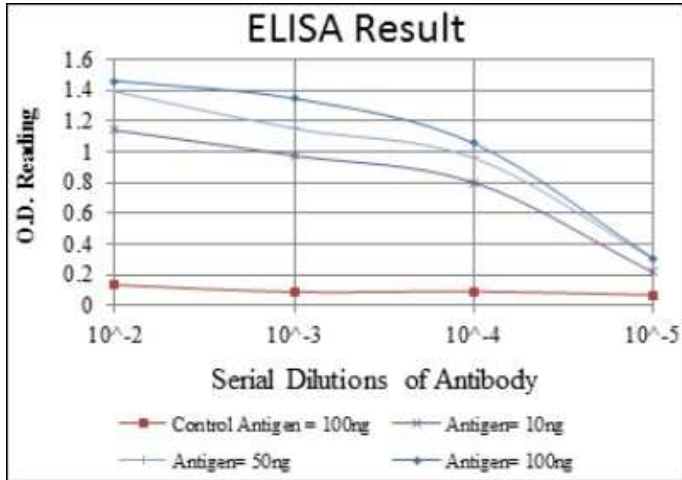
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**Synonyms:** END; HHT1; ORW1

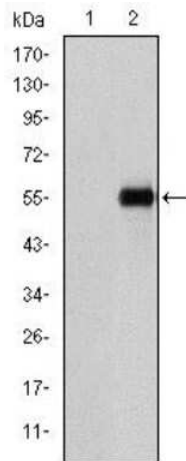
**Note:** This CD105 (3A9) antibody is useful for Western blot, Immunohistochemistry on paraffin-embedded sections, Immunocytochemistry/Immunofluorescence, Flow Cytometry and ELISA.

**Protein Families:** Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

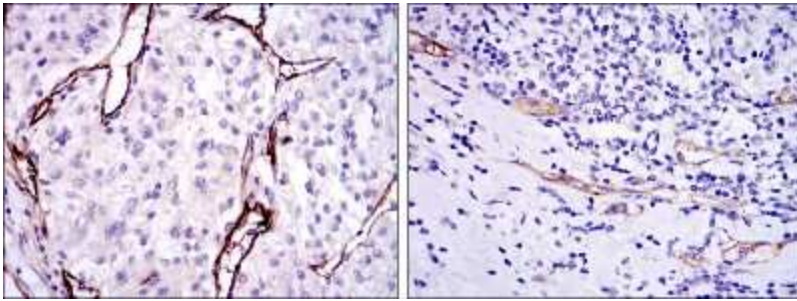
**Product images:**



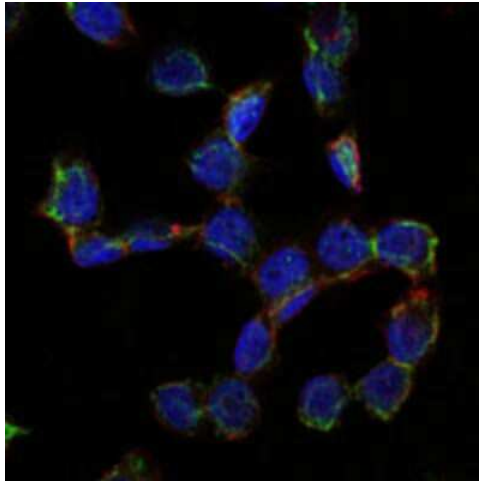
ELISA: Endoglin/CD105 Antibody (3A9) TA336920 - Red: Control Antigen (100 ng), Purple: Antigen (10 ng), Green: Antigen (50 ng), Blue: Antigen (100 ng).



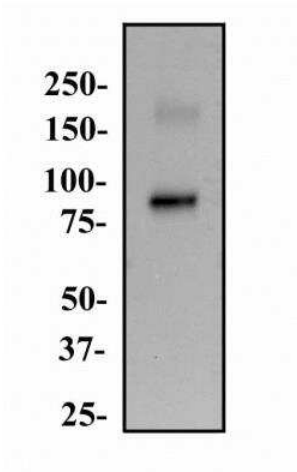
Western Blot: Endoglin/CD105 Antibody (3A9) TA336920 - Analysis using CD105 mAb against HEK293 (1) and CD105 (AA: 331-567)-hIgGFc transfected HEK293 (2) cell lysates.



Immunohistochemistry-Paraffin: Endoglin/CD105 Antibody (3A9) TA336920 - Analysis of paraffin-embedded kidney cancer tissues (left) and stomach cancer tissues (right) using CD105 mouse mAb with DAB staining.



Immunocytochemistry/Immunofluorescence: Endoglin/CD105 Antibody (3A9) TA336920 - Analysis of HepG2 cells using CD105 mouse mAb (green), DRAQ5 fluorescent DNA dye (blue). Actin filaments have been labeled with Alexa Fluor555 phalloidin (red).



Western Blot: Endoglin/CD105 Antibody (3A9) TA336920 - 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.