

## Product datasheet for **AM06633SU-N**

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

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	3A9
Applications:	ELISA, FC, IF, IHC, WB
Recommended Dilution:	<b>Western Blot:</b> 1/500 - 1/2000. <b>Immunohistochemistry on paraffin sections:</b> 1/200 - 1/1000. <b>Immunofluorescence:</b> 1/200 - 1/1000. <b>Flow cytometry:</b> 1/200 - 1/400. <b>ELISA:</b> 1/10000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human CD105 expressed in E. Coli.
Specificity:	This antibody reacts to CD105.
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% sodium azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	71 kDa
Gene Name:	endoglin
Database Link:	<a href="#">Entrez Gene 2022 Human P17813</a>



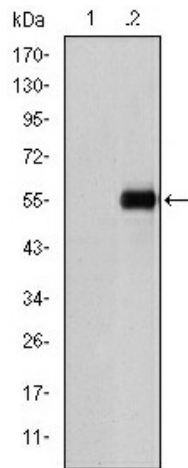
[View online »](#)

**Background:**

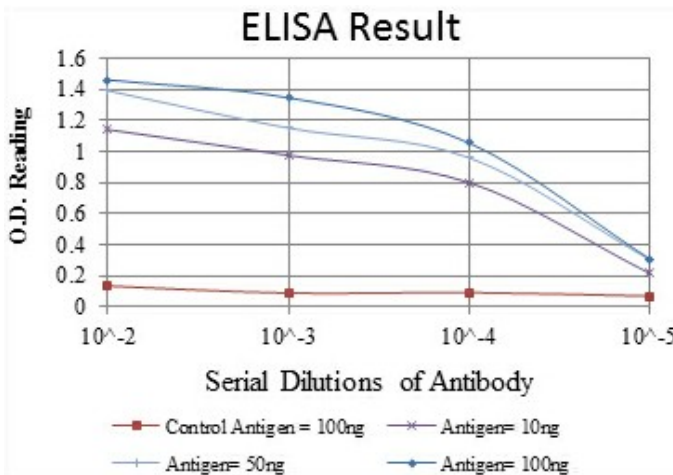
This gene encodes a homodimeric transmembrane protein which is a major glycoprotein of the vascular endothelium. This protein is a component of the transforming growth factor beta receptor complex and it binds TGFB1 and TGFB3 with high affinity. Mutations in this gene cause hereditary hemorrhagic telangiectasia, also known as Osler-Rendu-Weber syndrome 1, an autosomal dominant multisystemic vascular dysplasia.

**Synonyms:**

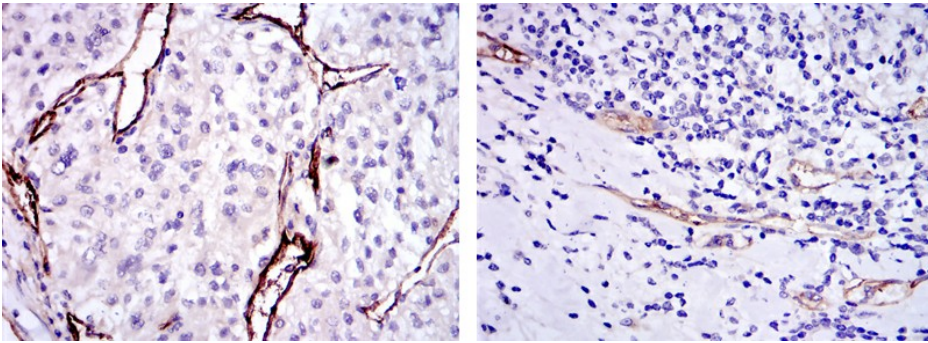
ENG, END, HHT1, ORW, ORW1

**Product images:**


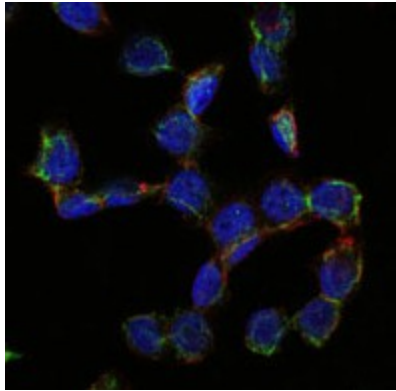
Western blot analysis using CD105 mAb against HEK293 (1) and CD105 (AA: 331-567)-hlgGfc transfected HEK293 (2) cell lysate.



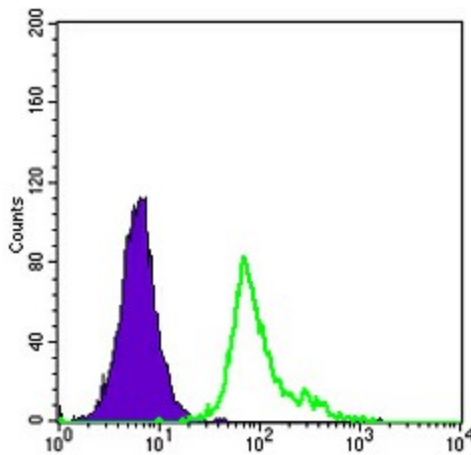
Red: Control Antigen (100ng) Purple: Antigen (10ng) Green: Antigen (50ng) Blue: Antigen (100ng)



Immunohistochemical analysis of paraffin-embedded kidney cancer tissues (left) and stomach cancer tissues (right) using CD105 mouse mAb with DAB staining.



Immunofluorescence analysis of HepG2 cells using CD105 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of HepG2 cells using CD105 mouse mAb (green) and negative control (purple).