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**Product Name: CD105 Mouse Monoclonal Antibody****Catalog #: AMM80996**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	IHC,ICC,ELISA,FC
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
<b>Molecular Weight</b>	71kDa

**Antigen Information**

<b>Gene Name</b>	CD105
<b>Alternative Names</b>	ENG; END; ORW; HHT1; ORW1; CD105; FLJ41744
<b>Gene ID</b>	2022.0
<b>SwissProt ID</b>	P17813
<b>Immunogen</b>	Purified recombinant fragment of human CD105 expressed in E. Coli.

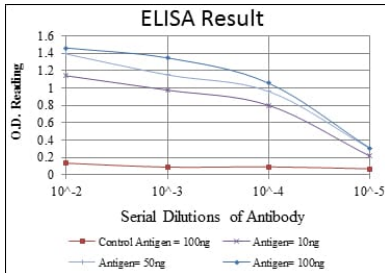
**Background**

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

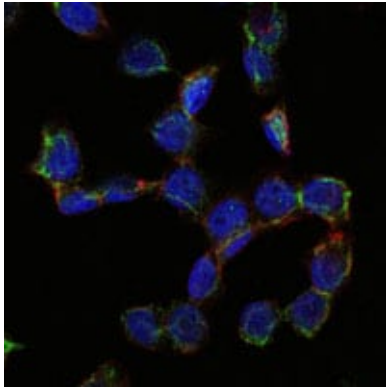
autosomal dominant multisystemic vascular dysplasia.

## Research Area

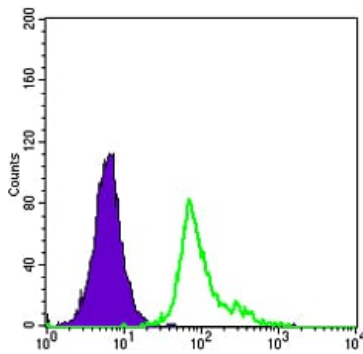
## Image Data



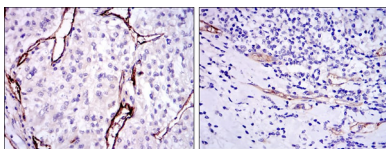
Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);



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).



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