

## Product datasheet for **UM500111**

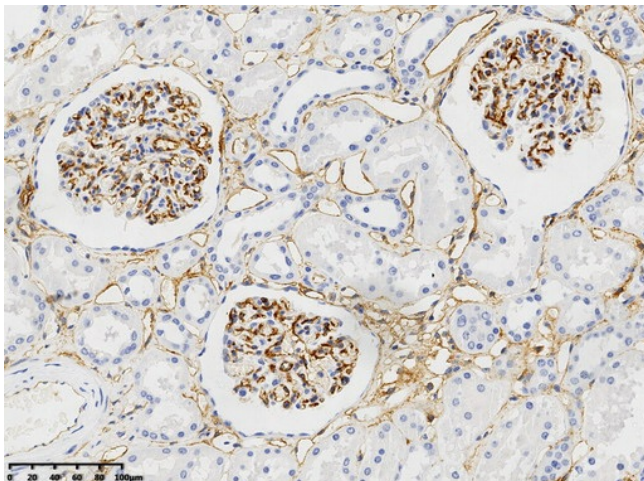
### CD105 (ENG) Mouse Monoclonal Antibody [Clone ID: UMAB290]

#### Product data:

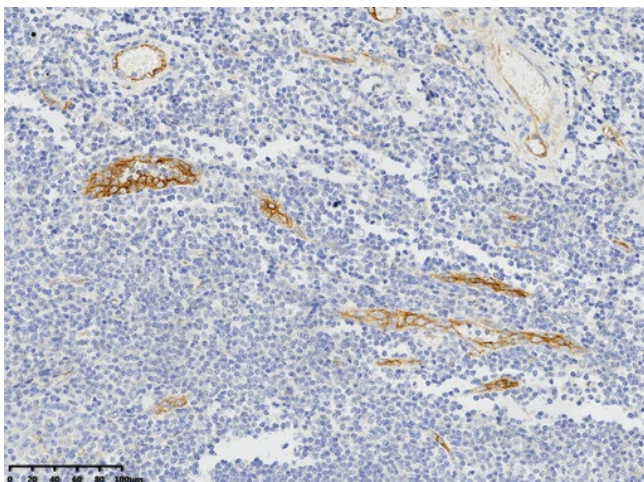
Product Type:	Primary Antibodies
Clone Name:	UMAB290
Applications:	IHC, WB
Recommended Dilution:	WB 1:1000, IHC 1:100
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human ENG(NP_000109) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Predicted Protein Size:	67.78 kDa
Gene Name:	endoglin
Database Link:	<a href="#">NP_000109</a> <a href="#">Entrez Gene 2022 Human</a> <a href="#">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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2008].
Synonyms:	END; HHT1; ORW1
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

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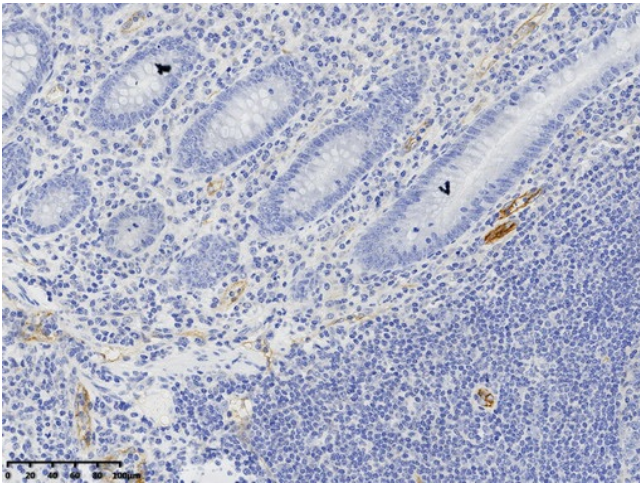
## Product images:



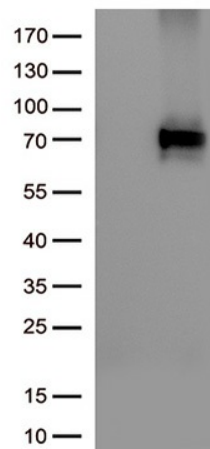
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-CD105 (ENG) mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 3 min, UM500111) (1:3000)



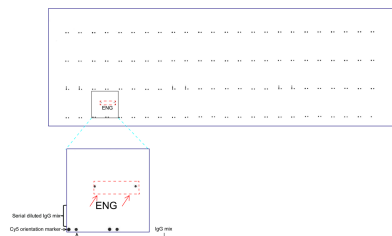
Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-CD105 (ENG) mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 3 min, UM500111) (1:3000)



Immunohistochemical staining of paraffin-embedded Human appendix tissue within the normal limits using anti-CD105 (ENG) mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 3 min, UM500111) (1:3000)



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CD105 (ENG) (Cat# [RC221699], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CD105(ENG). (1:1000)



OriGene overexpression protein microarray chip was immunostained with UltraMAB anti-CD105 (ENG) mouse monoclonal antibody (UM500111). The positive reactive proteins are highlighted with two red arrows in the enlarged subarray. All the positive controls spotted in this subarray are also labeled for clarification. (1:100)