Product Name: **CD105 (15P10) Rabbit Monoclonal Antibody**
Catalog #: **AMRe08183**
For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,IF-P
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.5mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% protective protein.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1000-1:5000,IHC 1:200-1:500,IF-P 1:200-1:500
Molecular Weight	71kDa

Antigen Information

Gene Name	ENG
Alternative Names	CD105; END; Endoglin; Eng; HHT1; ORW; ORW1; SN6;
Gene ID	2022.0
SwissProt ID	P17813
Immunogen	A synthetic peptide of human CD105

Background

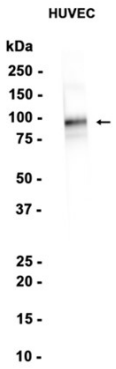
Major glycoprotein of vascular endothelium. May play a critical role in the binding of endothelial cells to integrins and/or other RGD receptors. Vascular endothelium glycoprotein that plays an important role in the regulation of angiogenesis

(PubMed:21737454, PubMed:23300529). Required for normal structure and integrity of adult vasculature (PubMed:7894484). Regulates the migration of vascular endothelial cells (PubMed:17540773). Required for normal extraembryonic angiogenesis and for embryonic heart development (By similarity). May regulate endothelial cell shape changes in response to blood flow, which drive vascular remodeling and establishment of normal vascular morphology during angiogenesis (By similarity). May play a critical role in the binding of endothelial cells to integrins and/or other RGD receptors (PubMed:1692830). Acts as TGF-beta coreceptor and is involved in the TGF-beta/BMP signaling cascade that ultimately leads to the activation of SMAD transcription factors (PubMed:8370410, PubMed:21737454, PubMed:22347366, PubMed:23300529). Required for GDF2/BMP9 signaling through SMAD1 in endothelial cells and modulates TGFB1 signaling through SMAD3 (PubMed:21737454, PubMed:22347366, PubMed:23300529).

Research Area

Epigenetics and Nuclear Signaling

Image Data



Western blot analysis of extracts from HUVEC cells using CD105 (15P10) Rabbit Monoclonal Antibody at 1:1000.