

CD105 (ABT-CD105) Mouse mAb

CatalogNo: YM4391

Key Features

Host Species

- Mouse

Reactivity

- Human,

Applications

- IHC, WB, IF, ELISA

MW

- 70kD (Calculated)
75kD (Observed)

Isotype

- IgG2a, Kappa

Recommended Dilution Ratios

IHC 1:200-1000

WB 1:500-2000

IF 1:100-500

ELISA 1:1000-5000

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Basic Information

Clonality Monoclonal

Clone Number ABT-CD105

Immunogen Information

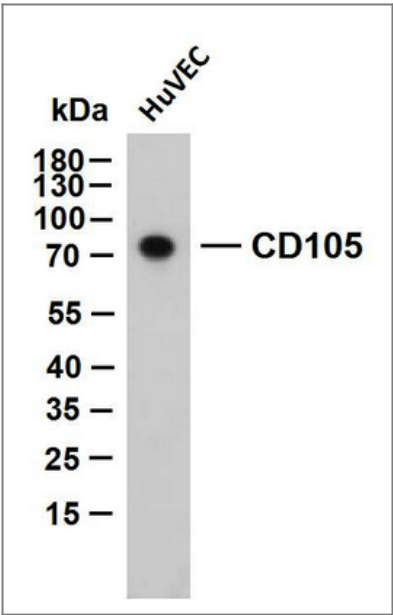
Immunogen Synthesized peptide derived from human CD105 (Endoglin) AA range: 400-500

Specificity The antibody can specifically recognize human CD105 protein.

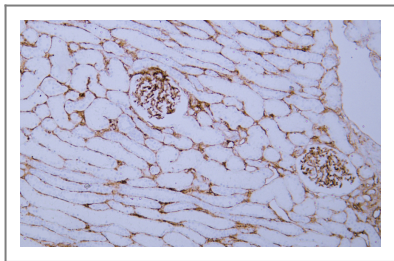
Target Information

Gene name	ENG END		
Protein Name	Endoglin (CD antigen CD105)		
	Organism	Gene ID	UniProt ID
	Human	2022 ;	P17813 ;
Cellular Localization	Cytoplasmic		
Tissue specificity	Detected on umbilical vein endothelial cells (PubMed:10625079). Detected in placenta (at protein level) (PubMed:1692830). Detected on endothelial cells (PubMed:1692830).		
Function	Disease:Defects in ENG are the cause of hereditary hemorrhagic telangiectasia type 1 (HHT1) [MIM:187300, 108010]; also known as Osler-Rendu-Weber syndrome 1 (ORW1). HHT1 is an autosomal dominant multisystemic vascular dysplasia, characterized by recurrent epistaxis, muco-cutaneous telangiectases, gastro-intestinal hemorrhage, and pulmonary (PAVM), cerebral (CAVM) and hepatic arteriovenous malformations; all secondary manifestations of the underlying vascular dysplasia. Although the first symptom of HHT1 in children is generally nose bleed, there is an important clinical heterogeneity.,Function:Major glycoprotein of vascular endothelium. May play a critical role in the binding of endothelial cells to integrins and/or other RGD receptors.,subunit:Homodimer that forms a heteromeric complex with the signaling receptors for transforming growth factor-beta: TGF-beta receptors I and/or II. It is able to bind TGF-beta 1, and 3 efficiently and TGF-beta 2 less efficiently. Interacts with TCTEX1D4.,tissue specificity:Endoglin is restricted to endothelial cells in all tissues except bone marrow.,		

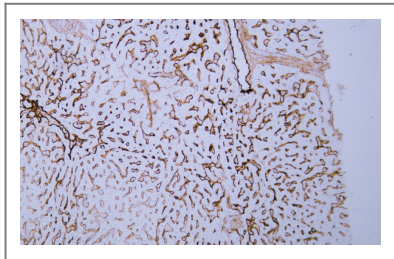
Validation Data



HuVEC whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-CD105(ABT-CD105) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: HuVEC



Human kidney tissue was stained with anti-CD105(ABT-CD105) antibody.



Human liver tissue was stained with anti-CD105(ABT-CD105) antibody.

| Contact information

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Please scan the QR code
to access additional
product information:
CD105 (ABT-CD105)
Mouse mAb

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