Best Tools for immunology Research

CD105 (PN0376) Nb-FC recombinant antibody

Catalog No :	YA0016
Reactivity :	Human
Applications :	ELISA
Target :	CD105
Gene Name :	ENG END
Protein Name :	Endoglin (CD antigen CD105)
Human Gene Id :	2022
Human Swiss Prot No :	P17813
Immunogen :	Purified recombinant Human CD105
Specificity :	This recombinant monoclonal antibody can detects endogenous levels of CD105 protein.
Formulation :	Phosphate-buffered solution
Source :	Camel, chimeric fusion of Nanobody (VHH) and mouse IgG1 Fc domain , recombinantly produced from 293F cell
Dilution :	ELISA 1:5000-100000
Purification :	Recombinant Expression and Affinity purified
Concentration :	Please check the information on the tube
Storage Stability :	-15°C to -25°C/1 year(Avoid freeze / thaw cycles)
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 to the beta1 and beta3 peptides with high affinity. Mutations inThis gene cause hereditary

hemorrhagic telangiectasia, also known as Osler-Rendu-Weber syndrome 1, an autosomal dominant multisystemic vascular dysplasia.This gene may also be involved in preeclampsia and several types of cancer. Alternatively spliced transcript variants encoding different isoforms have been found forThis gene. [provided by RefSeq, May 2013]

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.,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 an heteromeric complex with the signaling receptors for transforming growth factor-beta: TGF-beta receptors I and/or II. It is able t

Subcellular Location : Cell membrane ; Single-pass type I membrane protein .

Expression : Detected on umbilical veil endothelial cells (PubMed:162579). Detected in placenta (at protein level) (PubMed:169283). Detected on endothelial cells (PubMed:169283).

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