

CD105 (PN0498) Nb-FC recombinant antibody

CatalogNo: YA0431 **Recombinant** 

Key Features

Reactivity

- Human

Applications

- ELISA

Recommended Dilution Ratios

ELISA 1:5000-100000

Storage

Storage* -15°C to -25°C/1 year(Avoid freeze / thaw cycles)

Formulation Phosphate-buffered solution

Basic Information

Source Camel, chimeric fusion of Nanobody (VHH) and mouse IgG1 Fc domain , recombinantly produced from 293F cell

Purification Camel, chimeric fusion of Nanobody (VHH) and mouse IgG1 Fc domain , recombinantly produced from 293F cell

Clone Number PN0498

Immunogen Information

Immunogen Purified recombinant Human CD105

Specificity This recombinant monoclonal antibody can detects endogenous levels of CD105 protein.

Target Information

Gene name	ENG END		
Protein Name	Endoglin (CD antigen CD105)		
	Organism	Gene ID	UniProt ID
	Human	2022;	P17813;
Cellular Localization	Cell membrane ; Single-pass type I membrane protein .		
Tissue specificity	Detected on umbilical vein endothelial cells (PubMed:162579). Detected in placenta (at protein level) (PubMed:169283). Detected on endothelial cells (PubMed:169283).		
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 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

Contact information

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Please scan the QR code
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 product information:
**CD105 (PN0498) Nb-
 FC recombinant
 antibody**

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