

## CD105 (PN0203) Nb-FC recombinant antibody

CatalogNo: YA0646 **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** PN0203

### Immunogen Information

**Immunogen** Purified recombinant Human CD105

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

### Target Information

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

## Validation Data

## Contact information

Orders: [order.cn@immunoway.com](mailto:order.cn@immunoway.com)  
 Support: [support.cn@immunoway.com](mailto:support.cn@immunoway.com)  
 Telephone: 400-8787-807(China)  
 Website: <http://www.immunoway.com.cn>  
 Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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 FC recombinant  
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