CD105 (PN0640) Nb-FC recombinant antibody

CatalogNo: YA0047 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	PN0640

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	3684;	P17813;

Cellular Localization	Cell membrane ; Single-pass type I membrane protein .
Tissue specificity	Predominantly expressed in monocytes and granulocytes (PubMed:1346576). Expressed in neutrophils (at protein level) (PubMed:2119347).
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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