

For Research Use Only

# Anti-Human Endoglin/CD105 Rabbit Recombinant Antibody



Catalog Number: 98013-1-RR

## Basic Information

<b>Catalog Number:</b> 98013-1-RR	<b>GenBank Accession Number:</b> BC014271	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, 1000 µg/ml	<b>GeneID (NCBI):</b> 2022	<b>CloneNo.:</b> 230047E5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P17813	
<b>Isotype:</b> IgG	<b>Full Name:</b> endoglin	
	<b>Calculated MW:</b> 71 kDa	

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
Human

## Background Information

Endoglin (ENG, CD105) is a homodimeric cell membrane glycoprotein of 180 kDa, composed of disulphide-linked subunits of 90-95 kDa. Endoglin is a proliferation-associated and hypoxia-inducible protein mainly expressed on vascular endothelial cells. It acts as an accessory receptor for transforming growth factor beta (TGF-β) and is involved in vascular development and remodeling. The important role of Endoglin in angiogenesis and in tumor progression makes it an ideal target for antiangiogenic therapy and a good marker for tumor prognosis. (PMID: 1326540; 14528280; 21737653; 12773481)

## Storage

**Storage:**  
Store at 2-8°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.09% sodium azide.

For technical support and original validation data for this product please contact:

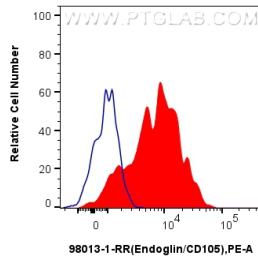
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

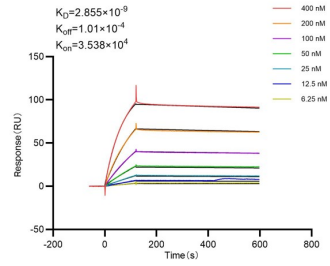
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## Selected Validation Data



$1 \times 10^6$  human PBMCs were surface stained with 0.25  $\mu\text{g}$  Anti-Human Endoglin/CD105 Rabbit Recombinant Antibody (98013-1-RR, Clone:230047E5) and PE-conjugated Goat Anti-Rabbit IgG (red), or 0.25  $\mu\text{g}$  Isotype Control (blue). Cells were not fixed. Monocytes were gated.



Surface Plasmon Resonance (SPR) kinetic assays of 98013-1-RR against Human Endoglin/CD105 were performed. The affinity constant is 2.855 nM.