

For Research Use Only

Anti-Human Endoglin/CD105 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98013-1-PBS



Basic Information

Catalog Number:

98013-1-PBS

Size:

1mg, 2 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC014271

GeneID (NCBI):

2022

UNIPROT ID:

P17813

Full Name:

endoglin

Calculated MW:

71 kDa

Purification Method:

Protein A purification

CloneNo.:

230047E5

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in 100 µl suspension

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human PBMCs,

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 -80°C. Stable for one year after shipment.

Storage Buffer:

PBS only, pH7.3

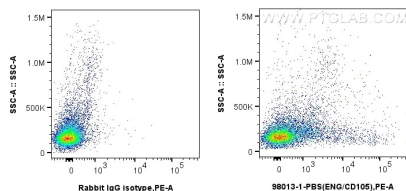
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

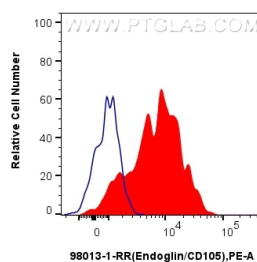
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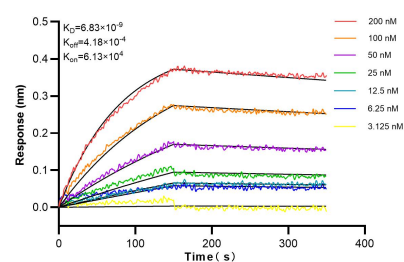
Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human Endoglin/CD105 (98013-1-PBS, Clone:230047E5) or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-O-AP) and PE-conjugated Goat Anti-Rabbit IgG. Cells were not fixed.



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human Endoglin/CD105 Rabbit Recombinant Antibody (98013-1-RR, Clone:230047E5) and PE-conjugated Goat Anti-Rabbit IgG (red), or 0.25 ug Isotype Control (blue). Cells were not fixed. Monocytes were gated. This data was developed using the same antibody clone with 98013-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 98013-1-RR against Human Endoglin/CD105 were performed. The affinity constant is 6.83 nM.