

For Research Use Only

Endoglin/CD105 Recombinant antibody

Catalog Number: 84807-5-RR



Basic Information

Catalog Number:

84807-5-RR

Size:

100ul, Concentration: 1000 µg/ml by
Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_007932.2

GeneID (NCBI):

13805

UNIPROT ID:

Q63961

Full Name:

endoglin

Calculated MW:

70kDa

Observed MW:

90 kDa

Purification Method:

Protein A purification

CloneNo.:

242305A11

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

mouse

Positive Controls:

WB : bEnd.3 cells,

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 remodelling. 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 -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

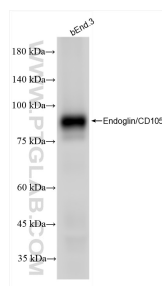
For technical support and original validation data for this product please contact:

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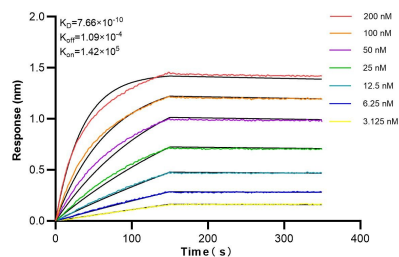
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W: ptglab.com

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Selected Validation Data



bEnd.3 cells were subjected to SDS PAGE followed by western blot with 84807-5-RR (Endoglin/CD105 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84807-5-RR against Mouse Endoglin/CD105 were performed. The affinity constant is 0.766 nM.