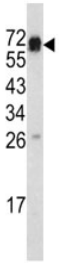
CD105 Antibody / Endoglin (F48291)

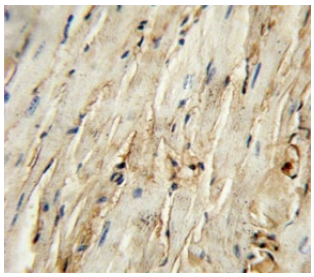
Catalog No.	Formulation	Size
F48291-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F48291-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

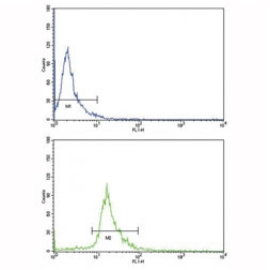
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P17813
Localization	Cell surface, cytoplasmic
Applications	Western blot: 1:1000 IHC (Paraffin): 1:10-1:50 Flow Cytometry: 1:10-1:50
Limitations	This CD105 antibody is available for research use only.



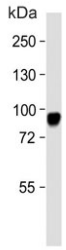
CD105 Antibody Mouse Heart WB. Western blot analysis of CD105 antibody and mouse heart tissue lysate. Observed molecular weight: 70/90 kDa (monomer, unmodified/glycosylated); 140-180 kDa (dimer, unmodified/glycosylated).



CD105 Antibody Mouse Heart IHC. CD105 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded mouse heart tissue.



Flow cytometric analysis of NCI-H292 cells using CD105 antibody (bottom histogram) compared to a negative control (top histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



Western blot analysis of CD105 antibody and human HeLa cell lysate. Observed molecular weight: 70/90 kDa (monomer, unmodified/glycosylated); 140-180 kDa (dimer, unmodified/glycosylated).

Description

CD105 is a homodimeric transmembrane protein which is a major glycoprotein of the vascular endothelium. This protein is a component of the transforming growth factor beta receptor complex and it binds TGFB1 and TGFB3 with high affinity. Mutations in its gene cause hereditary hemorrhagic telangiectasia, also known as Osler-Rendu-Weber syndrome 1, an autosomal dominant multisystemic vascular dysplasia.

For broader detection of CD105 as an endothelial marker across applications, see our CD105 antibody.

Application Notes

Titration of the CD105 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 380-409 from the human protein was used as the immunogen for this CD105 antibody.

Storage

Aliquot the CD105 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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