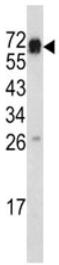
# CD105 Antibody / Endoglin (F48291)

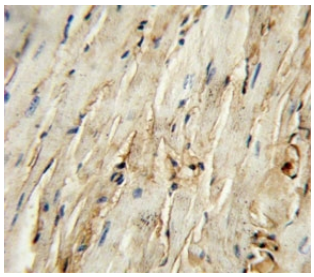
| Catalog No. | Formulation | Size |
|---|---|---|
| F48291-0.4ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml |
| F48291-0.08ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.08 ml |

**Bulk quote request**

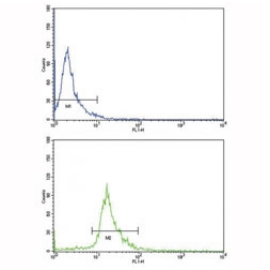
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse |
| **Format** | Purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit Ig |
| **Purity** | Purified |
| **UniProt** | P17813 |
| **Localization** | Cell surface,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



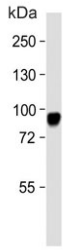

CD105 Antibody Mouse Heart WB. Western blot analysis of CD105 antibody and mouse heart tissue lysate. Observed molecular weight: 70/90 kDa (monomer, unmodified/glycosylated); 140-180 kDa (dimer, unmodified/glycosylated).



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.

Copyright © NSJ Bioreagents. All rights reserved.