

## CD105 Ab

[Images\(1\)](#)

Cat.#: BF0246                      Concn.: ~1mg/ml                      Mol.Wt.: 71kDa  
Size:                                      Source: Mouse                      Clonality: Monoclonal

Application:                      ELISA 1:10000, WB 1:500-1:2000, IHC 1:200-1:1000, IF/ICC  
1:200-1:1000, FCM 1:200-1:400

\*The optimal dilutions should be determined by the end user.

Reactivity:                      Human

Storage:                      Mouse IgG1 in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH  
7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C.  
Stable for 12 months from date of receipt.

Purification:                      Affinity-chromatography.

Immunogen:                      Purified recombinant fragment of human CD105 expressed in E. Coli.

Uniprot:                      P17813

Description:                      This gene encodes 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 this gene cause hereditary hemorrhagic telangiectasia, also known as Osler-Rendu-Weber syndrome 1, an autosomal dominant multisystemic vascular dysplasia.

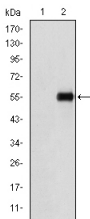


Figure 1: Western blot analysis using CD105 mAb against HEK293 (1) and CD105(AA: 331-567)-hIgGFc transfected HEK293 (2) cell lysate.

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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