bs-34063R **[Primary Antibody]**

CD105 Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 2022 **SWISS:** P17813

Target: CD105

Immunogen: KLH conjugated synthetic peptide derived from human CD105: 351-450/625. < Extracellular >

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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 to the beta1 and beta3 peptides 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. This gene may also be involved in preeclampsia and several types of cancer. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2013]

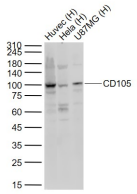
Applications: **WB** (1:500-1000)
IHC-P (1:100-500)
IHC-F (1:400-800)
IF (1:100-500)

Reactivity: Human (predicted: Mouse)

Predicted MW.: 70 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: Lane 1: Huvec (Human) Cell Lysate at 30 ug Lane 2: Hela (Human) Cell Lysate at 30 ug Lane 3: U87MG (Human) Cell Lysate at 30 ug Primary: Anti-CD105 (bs-34063R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 90 kD Observed band size: 100 kD

SELECTED CITATIONS

- **[IF=10.5]** Xiao-Ling Zhang. et al. A single molecule carrier for ocular posterior segment diseases. J CONTROL RELEASE. 2024 Oct;: IF ;Mouse. 39490420
- **[IF=6.7]** Lijuan Shi. et al. Vascularized characteristics and functional regeneration of three-dimensional cell reconstruction of oral mucosa equivalents based on vascular homeostasis phenotypic modification. J TISSUE ENG. ;(): WB ;Human. 39301507
- **[IF=5.923]** Jiaqiang Deng. et al. Curcumin Alleviates the Senescence of Canine Bone Marrow Mesenchymal Stem Cells during In Vitro Expansion by Activating the Autophagy Pathway. Int J Mol Sci. 2021 Jan;22(21):11356 FCM ;Dog. 34768788