

bs-0579R**[Primary Antibody]****CD105 Rabbit pAb****BioSS**
ANTIBODIES

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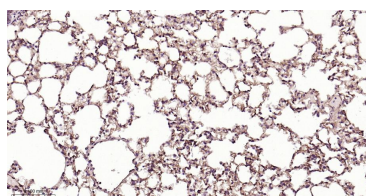
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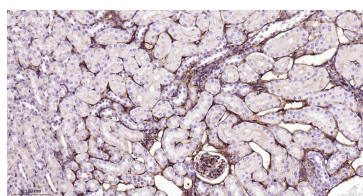
400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500)
Clonality: Polyclonal		IHC-F (1:100-500)
GeneID: 13805	SWISS: Q63961	IF (1:100-500)
Target: CD105		Reactivity: Mouse
Immunogen: KLH conjugated synthetic peptide derived from mouse CD105: 601-658/658. < Cytoplasmic >		
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.		Predicted MW.: 70 kDa
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]		Observed MW.: 90 kDa
		Subcellular Location: Cell membrane

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded Mouse Lung; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD105 Polyclonal Antibody, Unconjugated(bs-0579R) at 1:300 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Mouse Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD105 Polyclonal Antibody, Unconjugated(bs-0579R) at 1:300 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

— SELECTED CITATIONS —

- **[IF=13.3]** Fangyu Qiao. et al. Dual siRNA-Loaded Cell Membrane Functionalized Matrix Facilitates Bone Regeneration with Angiogenesis and Neurogenesis. *SMALL*. 2023 Oct;;2307062 IF ;Rat. 37824284
- **[IF=8.724]** Yong Tang. et al. Phosphorylation inhibition of protein-tyrosine phosphatase 1B tyrosine-152 induces bone regeneration coupled with angiogenesis for bone tissue engineering. *Bioact Mater*. 2021 Jul;6:2039 IF,IHC ;Mouse. 33511306
- **[IF=8.579]** Jipeng Jiang. et al. Implantation of regenerative complexes in traumatic brain injury canine models enhances the reconstruction of neural networks and motor function recovery. *Theranostics*. 2021; 11(2): 768–788 FCM ;Human. 33391504

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=8.4]** Yan Yunji. et al. Knockdown of trem2 promotes proinflammatory microglia and inhibits glioma progression via the JAK2/STAT3 and NF-κB pathways. CELL COMMUN SIGNAL. 2024 Dec;22(1):1-13 IF ;Mouse. 38750472
- **[IF=8.352]** Chanjuan Dong. et al. Graphene-based conductive fibrous scaffold boosts sciatic nerve regeneration and functional recovery upon electrical stimulation. Appl Mater Today. 2020 Dec;21:100870 IHC ;Rat. 10.1016/j.apmt.2020.100870