

bs-4609R**[Primary Antibody]****Bioss**
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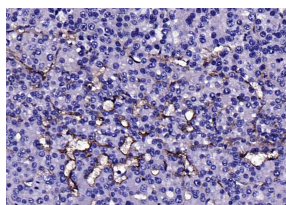
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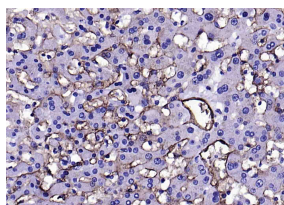
400-901-9800

CD105 Rabbit pAb**— DATASHEET —**

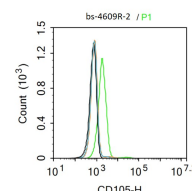
Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Flow-Cyt (2ug/Test)
Clonality: Polyclonal		
GeneID: 2022	SWISS: P17813	
Target: CD105		
Immunogen: KLH conjugated synthetic peptide derived from human CD105/Endoglin: 58-110/625. < Extracellular >		
Purification: 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]		
		Reactivity: Human
		Predicted MW.: 70 kDa
		Subcellular Location: Cell membrane

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded Human Liver Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD105 Polyclonal Antibody, Unconjugated (bs-4609R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD105 Polyclonal Antibody, Unconjugated (bs-4609R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Blank control:Hela. Primary Antibody (green line): Rabbit Anti-CD105 antibody (bs-4609R) Dilution: 2ug/Test; Secondary Antibody : Goat anti-rabbit IgG-FITC Dilution: 0.5ug/Test. Protocol The cells were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=9.776]** Ruijing Zhao. et al. Inhalation of MSC-EVs is a noninvasive strategy for ameliorating acute lung injury. J Control Release. 2022 May;345:214 FCM ;Human. 35307508
- **[IF=7.1]** Prasanna Weeratunga. et al. Footprint-free induced pluripotent stem cells can be successfully differentiated into mesenchymal stromal cells in the feline model. STEM CELL RES THER. 2025 Apr;16:195 IF ;Feline. 40254569
- **[IF=6.832]** Park, Hyeri. et al. Increased phosphatase regenerating liver-1 trigger vascular remodeling in injured ovary

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

- via platelet-derived growth factor signaling pathway. Stem Cell Res Ther. 2022 Dec;13(1):1-16 WB ;Rat. 35255961
- **[IF=4.396]** Shao F et al. Multiboosting of cancer immunotherapy by a core-shell delivery system. Mol Pharm. 2020 Jan 6;17(1):338-348. IHC ;Mouse. 31793786
 - **[IF=4.034]** Wang YL et al. Preinduction with bone morphogenetic protein-2 enhances cardiomyogenic differentiation of c-kit⁺ mesenchymal stem cells and repair of infarcted myocardium. Int J Cardiol. 2018 Aug 15;265:173-180. FCM ;Rat. 29885685