

bs-2038R**[Primary Antibody]****BioSS**
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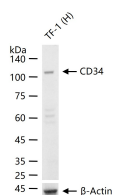
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

CD34 Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Human
GeneID: 947	SWISS: P28906	
Target: CD34		
Immunogen: KLH conjugated synthetic peptide derived from human CD34: 201-300/382. < Extracellular >		Predicted MW.: 39 kDa
Purification: affinity purified by Protein A		Subcellular Location: Cell membrane
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: The highly glycosylated 75-120 kD antigen CD34 is possibly an adhesion molecule with a putative role in early hematopoiesis by mediating the attachment of stem cells to the bone marrow extracellular matrix or directly to stromal cells. It could act as a scaffold for the attachment of lineage specific glycans, allowing stem cells to bind to lectins expressed by stromal cells or other marrow components. CD34 is thought to have a role in presenting carbohydrate ligands to selectins. The intracellular chain of the CD34 antigen is a site of phosphorylation by activated protein kinase C, suggesting a putative role in signal transduction. Two isoforms of CD34 have been reported to be generated by alternative splicing. CD34 is highly expressed on hematopoietic progenitors, as well as on endothelial cells, brain, and testis. Staining for CD34 has been used to measure angiogenesis, which reportedly predicts tumor recurrence.		

— VALIDATION IMAGES —

25 ug total protein per lane of various lysates (see on figure) probed with CD34 polyclonal antibody, unconjugated (bs-2038R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

— SELECTED CITATIONS —

- **[IF=14.3]** Jiwoong Kim. et al. Non-Invasive Photoacoustic Cerebrovascular Monitoring of Early-Stage Ischemic Strokes In Vivo. ADV SCI. 2024 Dec;2409361 IF ;Rat. 39629918
- **[IF=6.208]** Beatriz M. Oliveira. et al. Calcitriol Reduces the Inflammation, Endothelial Damage and Oxidative Stress in AKI Caused by Cisplatin. INT J MOL SCI. 2022 Jan;23(24):15877 WB ;Rat. 36555517
- **[IF=5.3]** Fatemeh Abdollahzadeh. et al. Enhancing maturity in 3D kidney micro-tissues through clonogenic cell combinations and endothelial integration. J CELL MOL MED. 2024 May;28(11):e18453 FCM ;Mouse. 38818569

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

- **[IF=3.82]** Zigdon - Giladi, Hadar, et al. "Peripheral Blood - Derived Endothelial Progenitor Cells Enhance Vertical Bone Formation." Clinical implant dentistry and related research (2013). Other ;="Rat". 23631728
- **[IF=3.69]** Shi, Jie, et al. "Adipose-Derived Stem Cells Cocultured with Chondrocytes Promote the Proliferation of Chondrocytes." Stem Cells International 2017 (2017) FCM ;="Rabbit". 28133485