

bs-0878R**[Primary Antibody]****CD144/VE Cadherin Rabbit pAb****BioSS**
ANTIBODIES

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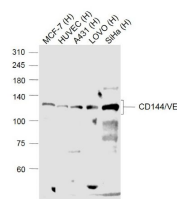
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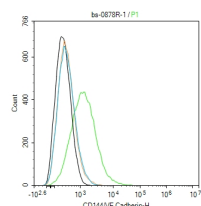
400-901-9800

DATASHEET

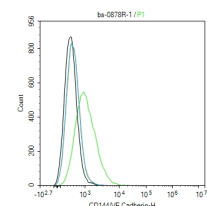
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) Flow-Cyt (1ug/Test)
Clonality: Polyclonal		Reactivity: Human
GeneID: 12562	SWISS: P55284	
Target: CD144/VE Cadherin		
Immunogen: KLH conjugated synthetic peptide derived from mouse Vascular endothelial cell cadherin: 601-700/784. < Cytoplasmic >		
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.		
Background: bs-0878P is one synthetic peptide derived from mouse Vascular endothelial cell cadherin. This gene is a classical cadherin from the cadherin superfamily and is located in a six-cadherin cluster in a region on the long arm of chromosome 16 that is involved in loss of heterozygosity events in breast and prostate cancer. The encoded protein is a calcium-dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Functioning as a classic cadherin by imparting to cells the ability to adhere in a homophilic manner, the protein may play an important role in endothelial cell biology through control of the cohesion and organization of the intercellular junctions. An alternative splice variant has been described but its full length sequence has not been determined. [provided by RefSeq, Jul 2008].		Predicted MW.: 86 kDa Subcellular Location: Cell membrane

VALIDATION IMAGES

Sample: Lane 1: MCF-7 (Human) Cell Lysate at 30 ug
Lane 2: HUVEC (Human) Cell Lysate at 30 ug
Lane 3: A431 (Human) Cell Lysate at 30 ug
Lane 4: LOVO (Human) Cell Lysate at 30 ug
Lane 5: SiHa (Human) Cell Lysate at 30 ug
Primary: Anti-CD144/VE Cadherin (bs-0878R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 130 kD
Observed band size: 130 kD



Blank control: HUVEC. Primary Antibody (green line): Rabbit Anti-CD144/VE Cadherin antibody (bs-0878R) Dilution: 1ug/Test; Secondary Antibody (white blue line): Goat anti-rabbit IgG-AF488 Dilution: 0.5ug/Test. Isotype control (orange line): Normal Rabbit IgG 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.



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SELECTED CITATIONS

- **[IF=16.874]** Bingcheng Yi. et al. Step-wise CAG@PLys@PDA-Cu²⁺ modification on micropatterned nanofibers for

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programmed endothelial healing. BIOACT MATER. 2022 Jul;; IF ;Human. 10.1016/j.bioactmat.2022.07.010

- **[IF=16]** Jing Zhang. et al. Robust and Regular Micronano Binary Texture on the Complex Curved Surface for Enhanced Reendothelialization and Antithrombotic Performance. ACS NANO. 2025;XXXX(XXX):XXX-XXX IF,FC ;Human. 39813732
- **[IF=15.304]** Xin Liu. et al. Construction of functional magnetic scaffold with temperature control switch for long-distance vascular injury. BIOMATERIALS. 2022 Oct;;121862 IF ;Mouse. 36326512
- **[IF=10.269]** Yi, Bingcheng. et al. Soft nanofiber modified micropatterned substrates enhance native-like endothelium maturation via CXCR4/calcium-mediated actin cytoskeleton assembly. NANO RES. 2022 Aug;;1-18 IF ;Human. 10.1007/s12274-022-4670-2
- **[IF=8.7]** Tzu-Hsiang Lin. et al. A bioactive composite scaffold enhances osteochondral repair by using thermosensitive chitosan hydrogel and endothelial lineage cell-derived chondrogenic cell. MATER TODAY BIO. 2024 Oct;28:101174 IF ;Rabbit. 39211289