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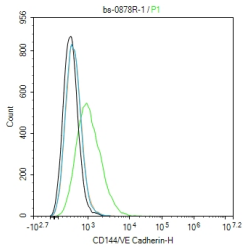
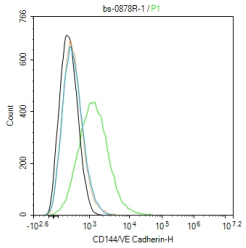
CD144/VE Cadherin Rabbit pAb

Catalog Number:	bs-0878R
Target Protein:	CD144/VE Cadherin
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:500-2000), Flow-Cyt (1ug/Test)
Reactivity:	Human
Predicted MW:	86 kDa
Entrez Gene:	12562
Swiss Prot:	P55284
Source:	KLH conjugated synthetic peptide derived from mouse Vascular endothelial cell cadherin: 601-700/784.
Purification:	affinity purified by Protein A
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].

VALIDATION IMAGES



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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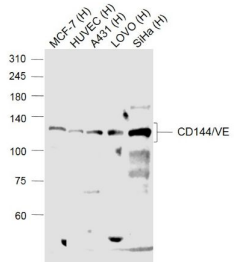

Sample: Lane 1: MCF-7 (Human) Cell Lysate at 30 ug Lane 2: HUVEC (Human) Cell Lysate at 30 ug Lane 3: A431 (Human) Cell Lysate at 30 ug Lane 4: LOVO (Human) Cell Lysate at 30 ug Lane 5: SiHa (Human) Cell Lysate at 30 ug Primary: Anti-CD144/VE Cadherin (bs-0878R) at 1/1000 dilution Secondary: IRDye800CW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

PRODUCT SPECIFIC PUBLICATIONS

[IF=16.874] Bingcheng Yi. et al. Step-wise CAG@PLys@PDA-Cu2+ modification on micropatterned nanofibers for programmed endothelial healing. BIOACT MATER. 2022 Jul;: IF ; Human . 10.1016/j.bioactmat.2022.07.010

[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

[IF=7.109] Xiong, Jingjie. et al. CircRNA mmu_circ_0000021 regulates microvascular function via the miR-143-3p/NPY axis and intracellular calcium following ischemia/reperfusion injury. CELL DEATH DISCOV. 2022 Jul;8(1):1-13 IHC ; Mouse . 35821018