bs-22363R **[Primary Antibody]**

CD144/VE Cadherin Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 12562 **SWISS:** P55284

Target: CD144/VE Cadherin

Immunogen: KLH conjugated synthetic peptide derived from mouse CD144/VE Cadherin: 46-140/784. < 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: 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].

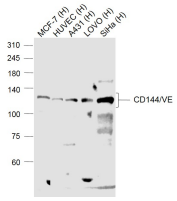
Applications: **WB** (1:500-2000)
Flow-Cyt (1ug/Test)

Reactivity: Human

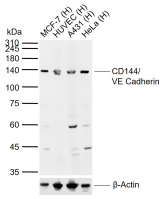
Predicted MW.: 86 kDa

Subcellular Location: Cell membrane

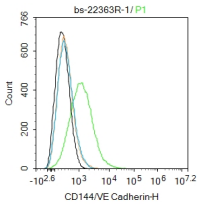
VALIDATION IMAGES



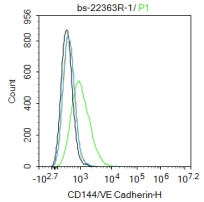
Sample: Lane 1: MCF-7 (Human) Cell Lysate at 30 ug Lane 2: HUVEC (Human) Cell Lysate at 30 ug Lane 3: A431 (Human) Cell Lysate at 30 ug Lane 4: LOVO (Human) Cell Lysate at 30 ug Lane 5: SiHa (Human) Cell Lysate at 30 ug Primary: Anti-CD144/VE Cadherin (bs-22363R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 130 kD Observed band size: 130 kD



Sample: Lane 1: Human MCF-7 cell lysates Lane 2: Human HUVEC cell lysates Lane 3: Human A431 cell lysates Lane 4: Human HeLa cell lysates Primary: Anti-CD144/VE Cadherin (bs-22363R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 86 kDa Observed band size: 140 kDa



Blank control:HUVC. Primary Antibody (green line): Rabbit Anti-CD144/VE Cadherin antibody (bs-22363R) 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.



Blank control:HUVEC. Primary Antibody (green line): Rabbit Anti-CD144/VE Cadherin antibody (bs-22363R) 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.

SELECTED CITATIONS

- **[IF=5.7]** Zhang Zhiwen. et al. USF1 transcriptionally activates USP14 to drive atherosclerosis by promoting EndMT through NLRC5/Smad2/3 axis. MOL MED. 2024 Dec;30(1):1-13 WB,IF ;Mouse,Human. 38424494
- **[IF=4.932]** Yi Ren. et al. Pravastatin attenuates sepsis-induced acute lung injury through decreasing pulmonary microvascular permeability via inhibition of Cav-1/eNOS pathway. Int Immunopharmacol. 2021 Nov;100:108077 WB ;Mouse. 34464887
- **[IF=3.7]** Yuqi Shi. et al. Inhibition of PD-L1 expression in non-small cell lung cancer may reduce vasculogenic mimicry formation by inhibiting the epithelial mesenchymal transformation process. EXP CELL RES. 2024 Apr;437:113996 WB,IHC ;Mouse,Human. 38508327
- **[IF=3]** Jingjing Zhao. et al. Recombinant hirudin suppresses angiogenesis of diffuse large B-cell lymphoma through regulation of the PAR-1-VEGF. CHEM BIOL DRUG DES. 2024 Apr;103(5):e14533 WB ;Human. 38684373