

## Biotin Conjugated Anti-Human VE Cadherin Antibody [PSH02-62] - Detector

# HA722635B



<b>Product Type:</b>	Recombinant Rabbit monoclonal IgG, primary antibodies
<b>Species reactivity:</b>	Human
<b>Applications:</b>	ELISA(Det)
<b>Molecular Wt:</b>	Predicted band size: 87.5 kDa
<b>Clone number:</b>	PSH02-62

**Description:** VE-cadherin is a member of the cadherin superfamily that is located in a six-cadherin cluster in a region on the long arm of chromosome 16 and is involved in loss of heterozygosity events in breast and prostate cancer. VE-cadherin 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, VE-cadherin 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 the full length sequence of VE-cadherin has not been determined.

**Conjugate:** Biotin-conjugated

**Immunogen:** Recombinant protein within Human VE-cadherin aa 48-599 (P33151).

**Positive control:** Recombinant Human VE Cadherin protein (HA210635).

**Subcellular location:** Cell junction. Cell membrane. Membrane.

**Database links:** SwissProt: P33151 Human

**Recommended Dilutions:**

**ELISA(Det)** Use at an assay dependent concentration. Can be paired for Sandwich ELISA with Rabbit monoclonal [PSH02-61] to Human VE Cadherin (Capture) (HA721838) and recombinant standard Human VE Cadherin (HA210635) as the standard. The reference range value is 0.63-153.09 ng/ml.

**Storage Buffer:** PBS (pH7.4), 0.1% BSA, 40% Glycerol. Preservative: 0.05% ProClin300.

**Storage Instruction:** Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.

**Purity:** Protein A affinity purified.

## Hangzhou Huaan Biotechnology Co., Ltd.

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Service mail:support@huabio.cn

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Applications:WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

No Images

**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Shimoyama Y., Tsujimoto G., Kitajima M., Natori M. Identification of three human type-II classic cadherins and frequent heterophilic interactions between different subclasses of type-II classic cadherins. *Biochem. J.* 349:159-167 (2000)
2. Lampugnani M.G., Orsenigo F., Rudini N., Maddaluno L., Bouliday G., Chapon F., Dejana E. CCM1 regulates vascular-lumen organization by inducing endothelial polarity. *J. Cell Sci.* 123:1073-1080 (2010)
3. Brasch J., Harrison O.J., Ahlsen G., Carnally S.M., Henderson R.M., Honig B., Shapiro L. Structure and binding mechanism of vascular endothelial cadherin: a divergent classical cadherin. *J. Mol. Biol.* 408:57-73 (2011)

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