血管内皮钙粘蛋白抗体

产品货号： mlR4310

英文名称： VE Cadherin

中文名称： 血管内皮钙粘蛋白抗体

别　　名： VE-cadherin; 7B4 antigen; VECD; Vascular endothelial cell cadherin; 7B 4; 7B4; 7B4 antigen; Cadherin 5; Cadherin 5 type 2; Cadherin-5; Cadherin5; CD 144; CD144; CD144 antigen; CDH 5; CDH5; CDH5 protein; Vascular endothelial cadherin; VE Cad antibody VEC; CADH5_HUMAN.

研究领域： 肿瘤　心血管　细胞生物　信号转导　细胞粘附分子　血管内皮细胞　内皮细胞　细胞骨架　细胞外基质

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Pig, Cow, Horse,

产品应用： Flow-Cyt=1μg/Test
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

分 子 量： 81kDa

细胞定位： 细胞膜

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human VE Cadherin:251-320/784 <Extracellular>

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PubMed： PubMed

产品介绍： 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].

Function:

Cadherins are calcium dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. This cadherin may play a important role in endothelial cell biology through control of the cohesion and organization of the intercellular junctions. It associates with alpha-catenin forming a link to the cytoskeleton.

Subunit:

Interacts via cadherin 5 domain with PTPRB. Interacts with TRPC4. Interacts with KRIT1.

Subcellular Location:

Cell junction. Cell membrane. Found at cell-cell boundaries and probably at cell-matrix boundaries.

Tissue Specificity:

Endothelial tissues and brain.

Post-translational modifications:

Phosphorylated on tyrosine residues by KDR/VEGFR-2. Dephosphorylated by PTPRB.

Similarity:

Contains 5 cadherin domains.

SWISS:

P33151

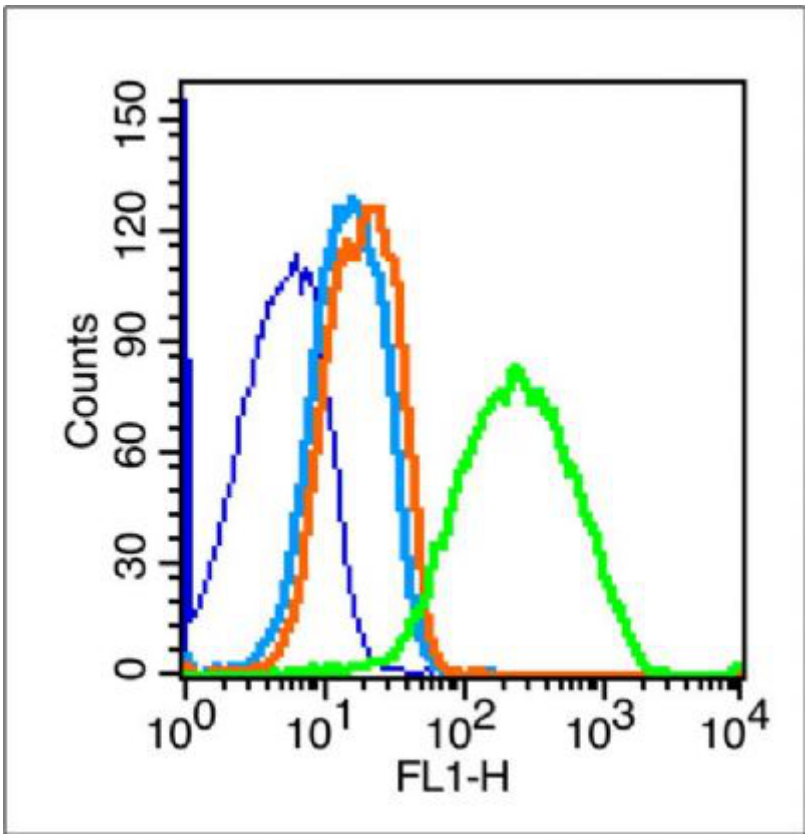
Gene ID:

1003

Important Note:

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

产品图片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10^3
10^4
FL1-H