

## Anti-VE Cadherin Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat,Pig,Cow,Horse)
Molecular Weight:	Theoretical: 81 kDa.
Purification:	Protein A purified

## Applications

Verified Activity:	<p>1. Blank control (blue line): Mouse kidney (blue). Primary Antibody (green line): Rabbit Anti-VE Cadherin antibody (TMAB-14066) Dilution: 1 µg /10<sup>6</sup> cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody (white blue line): F (ab')<sub>2</sub> fragment goat anti-rabbit IgG-FITC Dilution: 1 µg /test.</p> <p>Protocol</p> <p>The cells were fixed with 70% ice-cold methanol overnight at 4°C. Cells stained with Primary Antibody for 30 min at room temperature. The cells were then incubated in 1 X PBS/2%BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.</p>
Application:	FCM
Recommended	FCM: 1µg/Test

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human VE Cadherin
Antigen Species:	Human
Gene ID:	1003
Uniprot ID:	P33151

## Research Background

bs-0878P is onesynthetic 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

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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].

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