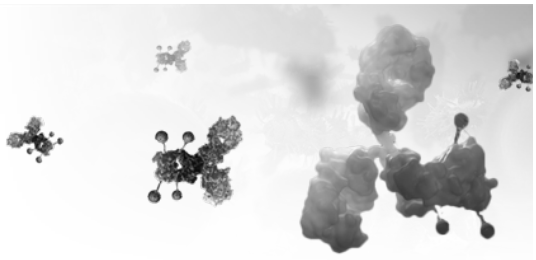

Rabbit Anti-Human VE-Cadherin monoclonal antibody, clone S159 (CABT-ZB838)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	It reacts with Human VE-Cadherin
Target	CDH5
Immunogen	Recombinant Human VE-Cadherin/CD144/CDH5 Protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	S159
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA, ELISA(det), FC, ICC/IF We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB440 - CABT-ZB838 This antibody will detect VE-Cadherin in antibody pair set. [ABPR-ZB014]
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human VE-Cadherin / CD144 / CDH5.
Format	Purified, Liquid
Concentration	Lot specific
Size	50 µL, 100 µL, 1 mL

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Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	Cadherins (Calcium dependent adhesion molecules) are a class of transmembrane proteins. Cadherin-5, also known as VE-cadherin, CDH5 and CD144, an endothelial specific cell-cell adhesion molecule, plays a pivotal role in the formation, maturation and remodeling of the vascular wall. VE-Cadherin is widely considered to be specific for vascular endothelia in which it is either the sole or the predominant cadherin, often co-existing with N-cadherin. This specificity of VE-cadherin for vascular endothelial cells is important not only in blood and lymph vessel biology and medicine, but also for cell-type-based diagnoses, notably those of metastatic tumors. As a classical cadherin, VE-Cadherin links endothelial cells together by homophilic interactions mediated by its extracellular part and associates intracellularly with the actin cytoskeleton via catenins. Mechanisms that regulate VE-cadherin-mediated adhesion are important for the control of vascular permeability and leukocyte extravasation. In addition to its adhesive functions, VE-Cadherin regulates various cellular processes such as cell proliferation and apoptosis and modulates vascular endothelial growth factor receptor functions. Consequently, VE-cadherin is essential during embryonic angiogenesis.
Keywords	Cdh5; Cadherin 5; VE-cadherin; 7B4

GENE INFORMATION

Synonyms	Cdh5; Cadherin 5; VE-cadherin; 7B4; Vec; VECD; Cd144; VEcad; VE-Cad; AA408225
Entrez Gene ID	1003
UniProt ID	P33151

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