Human VE-Cadherin Antibody Pair Set

Catalog No. E-KAB-0277 **Applications** ELISA
Synonyms CDH5, 7B4, CD144, Cadherin 5 Type 2

Kit components & Storage

Title	Specifications	Storage
Human VE-Cadherin Capture Antibody	1 vial, 100 μg	Store at -20℃ for one year. Avoid freeze / thaw cycles.
Human VE-Cadherin Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃ for one year. Avoid freeze / thaw cycles.

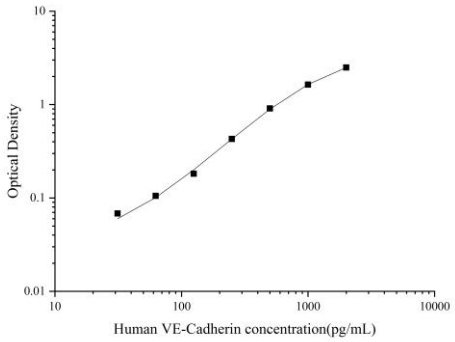
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0277)	
		Human VE-Cadherin Capture Antibody	Human VE-Cadherin Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human VE-Cadherin protein	Recombinant Human VE-Cadherin protein
	Swissprot	P33151	
Product details	Reactivity	Human	Human
	Host	Rabbit	Rabbit
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Antigen Affinity	Antigen Affinity
	Specificity	Detects Human VE-Cadherin in ELISAs.	

Applications

Human VE-Cadherin Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4μg/mL	Human VE-Cadherin Capture Antibody	
ELISA Detection	1:1000-1:10000	Human VE-Cadherin Detection Antibody (Biotin)	

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

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.Acts in concert with KRIT1 and PALS1 to establish and maintain correct endothelial cell polarity and vascular lumen.These effects are mediated by recruitment and activation of the Par polarity complex and RAP1B.Required for activation of PRKCZ and for the localization of phosphorylated PRKCZ,PARD3,TIAM1 and RAP1B to the cell junction.