

For Research Use Only

VE-cadherin Recombinant antibody

Catalog Number: 84529-3-RR



Basic Information

Catalog Number: 84529-3-RR	GenBank Accession Number: NM_009868.4	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 12562	CloneNo.: 241953H6
Source: Rabbit	UNIPROT ID: P55284	Recommended Dilutions: IF/ICC 1:200-1:800
Isotype: IgG	Full Name: cadherin 5	
	Calculated MW: 88kDa	

Applications

Tested Applications: IF/ICC, ELISA	Positive Controls: IF/ICC : bEnd.3 cells,
Species Specificity: mouse	

Background Information

Cadherins are a family of transmembrane glycoproteins that mediate calcium-dependent cell-cell adhesion and play an important role in the maintenance of normal tissue architecture. Vascular endothelial cadherin (VE-cadherin), also known as Cadherin-5 (CDH5) or CD144, is a member of the type II classical cadherin family of cell adhesion proteins (PMID: 21269602). VE-cadherin is expressed specifically in endothelial cells and mediates homophilic adhesion in the vascular endothelium (PMID: 1522121; 8555485; 21269602). VE-cadherin plays a role in the organization of lateral endothelial junctions and in the control of permeability properties of vascular endothelium (PMID: 1522121). VE-cadherin has also been shown to be required for angiogenesis (PMID: 16473763; 18162609).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

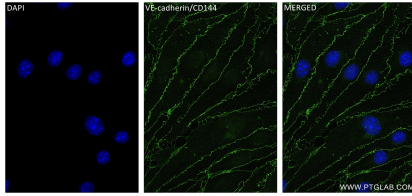
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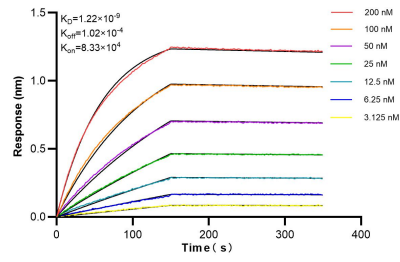
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed bEnd.3 cells using VE-cadherin antibody (84529-3-RR, Clone: 241953H6) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 84529-3-RR against Mouse VE-cadherin were performed. The affinity constant is 1.22 nM.