

For Research Use Only

# Anti-Mouse VE-cadherin/CD144 Rabbit Recombinant Antibody

Catalog Number: 98251-1-RR



## Basic Information

<b>Catalog Number:</b> 98251-1-RR	<b>GenBank Accession Number:</b> NM_009868.4	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, 1000 ug/ml	<b>GeneID (NCBI):</b> 12562	<b>CloneNo.:</b> 241953D4
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P55284	
<b>Isotype:</b> IgG	<b>Full Name:</b> cadherin 5	
	<b>Calculated MW:</b> 88kDa	

## Applications

**Tested Applications:**  
FC

**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 2 - 8°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.09% sodium azide, pH 7.3.

For technical support and original validation data for this product please contact:

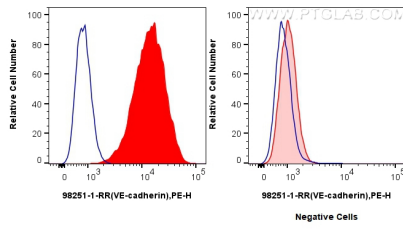
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

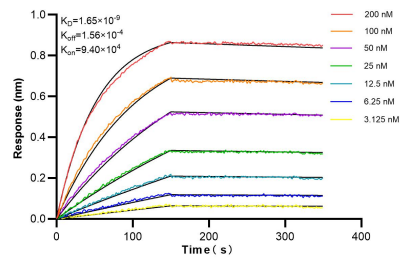
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## Selected Validation Data



$1 \times 10^6$  bEnd.3 cells (left) or C2C12 (right) were surface stained with 0.25  $\mu$ g Anti-Mouse VE-cadherin/CD144 Rabbit Recombinant Antibody (98251-1-RR, Clone: 241953D4) (red) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed.



Biolayer interferometry (BLI) kinetic assays of 98251-1-RR against Mouse VE-cadherin/CD144 were performed. The affinity constant is 1.65 nM.