

For Research Use Only

# Anti-Mouse VE-cadherin/CD144 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98251-1-PBS



## Basic Information

**Catalog Number:**

98251-1-PBS

**Size:**

1mg, 2 mg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_009868.4

**GeneID (NCBI):**

12562

**UNIPROT ID:**

P55284

**Full Name:**

cadherin 5

**Calculated MW:**

88kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

241953D4

## 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 -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**

PBS Only

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

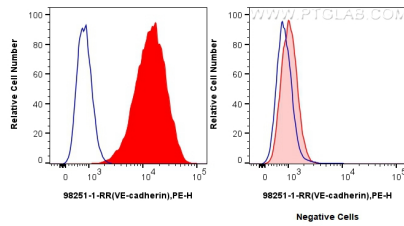
T: 4006900926

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

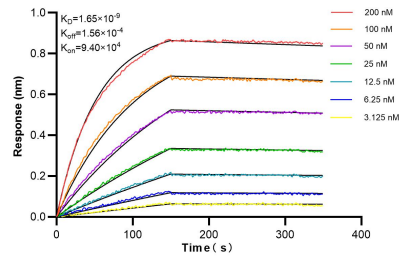
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



1x10<sup>6</sup> bEnd.3 cells (left) or C2C12 (right) were surface stained with 0.25 ug 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. This data was developed using the same antibody clone with 98251-1-PBS in a different storage buffer formulation.



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