

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.

Storage Buffer:

PBS Only

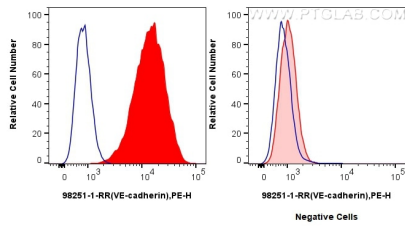
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

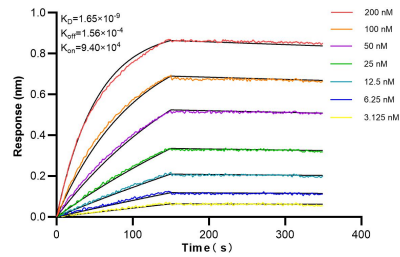
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1×10^6 bEnd.3 cells (left) or C2C12 (right) were surface stained with 0.25 μ 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. This data was developed using the same antibody clone with 98251-1-PBS in a different storage buffer formulation.



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