

For Research Use Only

FcZero-rAb™ Biotin Anti-Human VE-cadherin/CD144 Rabbit Recombinant Antibody

Catalog Number: Biotin-FcA98071



Basic Information

Catalog Number:

Biotin-FcA98071

Concentration:

100ug, 500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG1200

GenBank Accession Number:

NM_001795.5

GeneID (NCBI):

1003

UNIPROT ID:

P33151-1

Full Name:

cadherin 5, type 2 (vascular endothelium)

Calculated MW:

88 kDa

Purification Method:

Protein A purification

CloneNo.:

240755B2

Recommended Dilutions:

FC: 5 ul per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

-

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : HUVEC cells,

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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

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

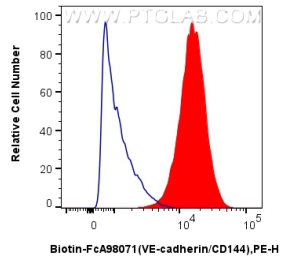
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Selected Validation Data



1×10^6 HUVEC cells were surface stained with 5 μ l Biotin Anti-Human VE-cadherin/CD144 Rabbit RecAb (Biotin-FcA98071, Clone:240755B2) (red), or FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue) and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed.