

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	GenBank Accession Number:	NM_001795.5	Purification Method:	Protein A purification
Size:	100ug , 500 ug/ml	GenID (NCBI):	1003	CloneNo.:	240755B2
Source:	Rabbit	UNIPROT ID:	P33151-1	Recommended Dilutions:	FC: 5 μ l per 10^6 cells in a 100 μ l suspension
Isotype:	IgG	Full Name:	cadherin 5, type 2 (vascular endothelium)	Excitation/Emission maxima wavelengths:	-
Immunogen Catalog Number:	EG1200	Calculated MW:	88 kDa		

Applications

Tested Applications:	Positive Controls:
FC	FC : HUVEC cells,

Species Specificity:
human

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).

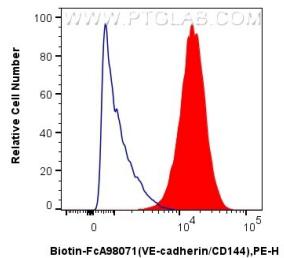
Storage

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:
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
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Selected Validation Data



1x10⁶ HUVEC cells were surface stained with 5 ul 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.