

For Research Use Only

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

Catalog Number: Biotin-FcA98251



Basic Information

Catalog Number: Biotin-FcA98251	GenBank Accession Number: NM_009868.4	Purification Method: Protein A purification
Concentration: 100ug, 500 ug/ml	GeneID (NCBI): 12562	CloneNo.: 241953D4
Source: Rabbit	UNIPROT ID: P55284	Recommended Dilutions: FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: cadherin 5	Excitation/Emission maxima wavelengths: -
Immunogen Catalog Number: EG0921	Calculated MW: 88kDa	

Applications

Tested Applications: FC	Positive Controls: FC : bEnd.3 cells,
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. 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:

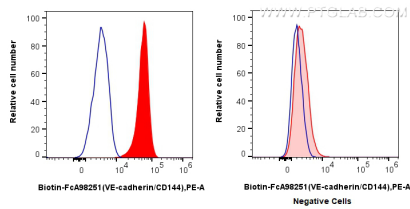
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Selected Validation Data



1x10⁶ bEnd.3 cells (left) or C2C12 (right) were surface stained with 0.25 ug Biotin Anti-Mouse VE-cadherin/CD144 Rabbit RecAb (Biotin-FcA98251, Clone: 241953D4) (red) or 0.25 ug Rabbit IgG Isotype Control RecAb (Biotin-FcA98136, Clone: 240953C9) (blue), and PE-conjugated streptavidin. Cells were not fixed.