

For Research Use Only

CoraLite®594-conjugated VE-cadherin/CD144 Recombinant monoclonal antibody

Catalog Number: CL594-84529-3



Basic Information

Catalog Number: CL594-84529-3	GenBank Accession Number: NM_009868.4	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 12562	CloneNo.: 241953H6
Isotype: IgG	UNIPROT ID: P55284	Recommended Dilutions: IF/ICC: 1:50-1:500
Immunogen Catalog Number: EG0921	Full Name: cadherin 5	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
	Calculated MW: 88kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : 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 -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

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

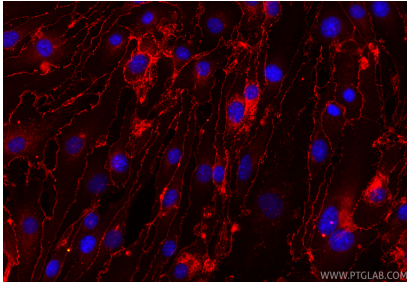
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed bEnd.3 cells using CoraLite®594 VE-cadherin/CD144 antibody (CL594-84529-3, Clone: 241953H6) at dilution of 1:200.