

For Research Use Only

# CoraLite® Plus 488-conjugated VE-cadherin/CD144 Recombinant monoclonal antibody

Catalog Number: CL488-84529-3



## Basic Information

|                                     |                                          |                                                               |
|-------------------------------------|------------------------------------------|---------------------------------------------------------------|
| Catalog Number:<br>CL488-84529-3    | GenBank Accession Number:<br>NM_009868.4 | Purification Method:<br>Protein A purification                |
| Source:<br>Rabbit                   | GeneID (NCBI):<br>12562                  | CloneNo.:<br>241953H6                                         |
| Isotype:<br>IgG                     | UNIPROT ID:<br>P55284                    | Recommended Dilutions:<br>IF/ICC: 1:50-1:500                  |
| Immunogen Catalog Number:<br>EG0921 | Full Name:<br>cadherin 5                 | Excitation/Emission maxima<br>wavelengths:<br>493 nm / 522 nm |
|                                     | Calculated MW:<br>88kDa                  |                                                               |

## Applications

|                                |                                              |
|--------------------------------|----------------------------------------------|
| Tested Applications:<br>IF/ICC | Positive Controls:<br>IF/ICC : bEnd.3 cells, |
| Species Specificity:<br>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

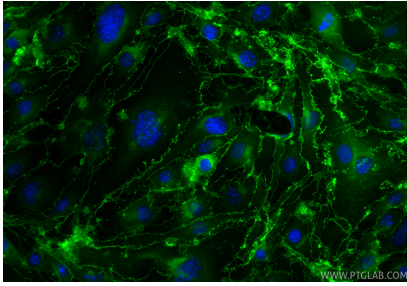
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed bEnd.3 cells using CoraLite® Plus 488 VE-cadherin/CD144 antibody (CL488-84529-3, Clone: 241953H6 ) at dilution of 1:200.