

For Research Use Only

CoraLite®594-conjugated VE-cadherin Monoclonal antibody



Catalog Number:CL594-66804

2 Publications

Basic Information

Catalog Number: CL594-66804	GenBank Accession Number: NM_001795	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1003	CloneNo.: 4F9B10
Source: Mouse	Full Name: cadherin 5, type 2 (vascular endothelium)	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG1	Calculated MW: 88 kDa	Excitation/Emission maximum wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG27501		

Applications

Tested Applications: IF	Positive Controls: IF : human breast cancer tissue, human tonsillitis tissue
Cited Applications: IF, WB	
Species Specificity: Human	
Cited Species: 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). E-cadherin has also been shown to be required for angiogenesis (PMID: 16473763; 18162609).

Notable Publications

Author	Pubmed ID	Journal	Application
Jun He	38232667	Biochem Biophys Res Commun	WB,IF
Yuanshan Liu	37939799	Biomacromolecules	IF

Storage

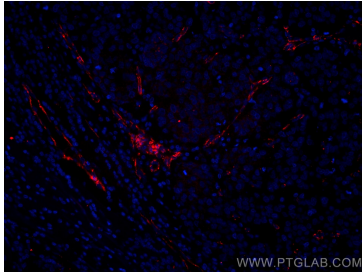
Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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
W: ptglab.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 human breast cancer tissue using CoraLite®594 VE-cadherin antibody (CL594-66804, Clone: 4F9B10) at dilution of 1:100.