

For Research Use Only

CoraLite® Plus 555-conjugated CD31 Recombinant monoclonal antibody

Catalog Number:CL555-84607-4



Basic Information

Catalog Number: CL555-84607-4	GenBank Accession Number: NM_001305157.1	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 18613	CloneNo.: 242041E12
Source: Rabbit	UNIPROT ID: Q08481-1	Recommended Dilutions: IF/ICC: 1:50-1:500
Isotype: IgG	Full Name: platelet/endothelial cell adhesion molecule 1	Excitation/Emission maxima wavelengths: 554 nm / 570 nm
Immunogen Catalog Number: EG0846	Calculated MW: 81 kDa	
	Observed MW: 100-130 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : bEnd.3 cells,
Species Specificity: mouse	

Background Information

Platelet endothelial cell adhesion molecule-1 (PECAM-1, CD31) is a member of the immunoglobulin gene superfamily of cell adhesion molecules. CD31 is a transmembrane glycoprotein that is highly expressed on the surface of the endothelium, making up a large portion of its intracellular junctions. PECAM-1 is also present on the surface of hematopoietic cells and immune cells including platelets, monocytes, neutrophils, natural killer cells, megakaryocytes and some types of T-cell (PMID: 9011572). As well as its role in cell-cell adhesion, PECAM-1 functions as a signaling receptor, and is involved in important physiological events such as nitric oxide production, regulation of T-cell immunity and tolerance, leukocyte transendothelial migration and inflammation and angiogenesis (PMID: 21183735; 20978210; 17872453; 20634489).

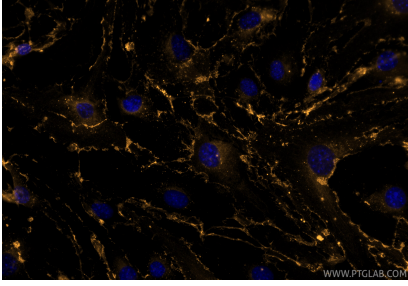
Storage

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: 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 bEnd.3 cells using CoraLite® Plus 555 CD31 antibody (CL555-84607-4, Clone: 242041E12) at dilution of 1:200.