

For Research Use Only

CoraLite® Plus 488-conjugated CD141/Thrombomodulin Recombinant monoclonal antibody

Catalog Number: CL488-84412-3



Basic Information

Catalog Number: CL488-84412-3	GenBank Accession Number: NM_009378.3	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 21824	CloneNo.: 241730D4
Source: Rabbit	UNIPROT ID: P15306	Recommended Dilutions: IF/ICC: 1:50-1:500
Isotype: IgG	Full Name: thrombomodulin	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: EG1139	Calculated MW: 62kDa	
	Observed MW: 105 kDa	

Applications

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

Background Information

Thrombomodulin, also known as CD141, is an endothelial cell surface glycoprotein that forms a 1:1 complex with the coagulation factor thrombin and plays an important role as a natural anticoagulant. Thrombomodulin serves to convert thrombin from a procoagulant protein into the activator for protein C. Once converted to activated protein C (APC), this protein serves as a major anticoagulant in blood (PMID: 2827310). Thrombomodulin is also located in other cells (keratinocytes, osteoblasts, macrophages,...) where it might be involved in cell differentiation or inflammation (PMID: 9814688). In humans, thrombomodulin is encoded by the THBD gene. Mutations in this gene are a cause of thromboembolic disease, also known as inherited thrombophilia. Thrombomodulin is glycosylated and has an apparent molecular weight of 75 to 110 kDa (PMID: 1650405; 2827310).

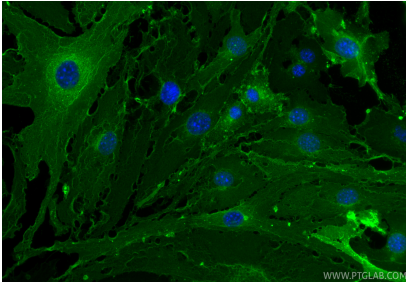
Storage

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)
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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 488 CD141/Thrombomodulin antibody (CL488-84412-3, Clone: 241730D4) at dilution of 1:200.