

For Research Use Only

CoraLite® Plus 488-conjugated CD141/Thrombomodulin Monoclonal antibody

Catalog Number: **CL488-67831**



Basic Information

Catalog Number:

CL488-67831

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG5723

GenBank Accession Number:

BC035602

GeneID (NCBI):

7056

UNIPROT ID:

P07204

Full Name:

thrombomodulin

Calculated MW:

60 kDa

Observed MW:

105 kDa

Purification Method:

Protein A purification

CloneNo.:

5A4C5

Recommended Dilutions:

IF-P 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF-P

Species Specificity:

human

Positive Controls:

IF-P : human lung cancer tissue,

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 in 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, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

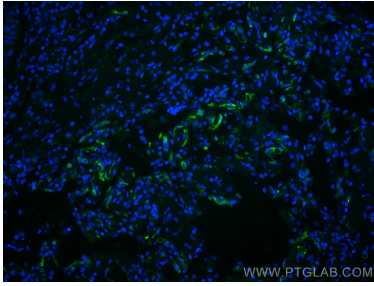
T: 4006900926

E: Proteintech-CN@ptglab.com

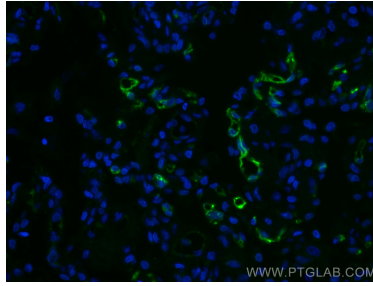
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human lung cancer tissue using CoraLite® Plus 488 THBD antibody (CL488-67831, Clone: 5A4C5) at dilution of 1:200.



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