

For Research Use Only

# APC Anti-Human CD141/Thrombomodulin Rabbit Recombinant Antibody

Catalog Number: APC-98037-2



## Basic Information

Catalog Number:

APC-98037-2

Size:

100 tests, 5 ul/test

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0944

GenBank Accession Number:

NM\_000361.3

GeneID (NCBI):

7056

UNIPROT ID:

P07204

Full Name:

thrombomodulin

Calculated MW:

60 kDa

Purification Method:

Protein A purification

CloneNo.:

240365H3

Recommended Dilutions:

FC: 5 ul per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

650 nm / 660 nm

## Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human peripheral blood leukocyte,

## 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 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

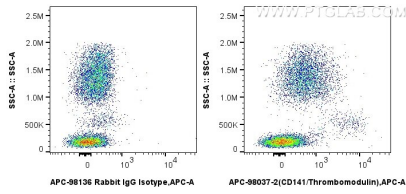
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

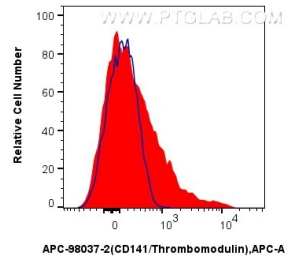
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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## Selected Validation Data



1x10<sup>6</sup> FC receptor blocked human peripheral blood leukocytes were surface stained with 5 ul APC Anti-Human CD141/Thrombomodulin Rabbit RecAb (APC-98037-2, Clone: 240365H3) or Control Antibody (APC-98136, Clone: 240953C9). Cells were not fixed.



1x10<sup>6</sup> FC receptor blocked human peripheral blood leukocytes were surface stained with 5 ul APC Anti-Human CD141/Thrombomodulin Rabbit RecAb (APC-98037-2, Clone: 240365H3) (red) or Control Antibody (blue). Cells were not fixed.