

# CD141/Thrombomodulin Rabbit mAb

Catalog No.: A21197 **Recombinant**

## Basic Information

### Observed MW

90kDa

### Calculated MW

60kDa

### Category

Primary antibody

### Applications

ELISA, WB, IF/ICC, FC

### Cross-Reactivity

Human

### CloneNo number

ARC52599

## Background

The protein encoded by this intronless gene is an endothelial-specific type I membrane receptor that binds thrombin. This binding results in the activation of protein C, which degrades clotting factors Va and VIIIa and reduces the amount of thrombin generated. Mutations in this gene are a cause of thromboembolic disease, also known as inherited thrombophilia.

## Recommended Dilutions

<b>WB</b>	1:1000 - 1:5000
<b>IF/ICC</b>	1:50 - 1:200
<b>FC</b>	1:50 - 1:200

## Immunogen Information

### Gene ID

7056

### Swiss Prot

P07204

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 19-515 of human CD141/Thrombomodulin (NP\_000352.1).

### Synonyms

TM; THRM; AHUS6; BDCA3; CD141; BDCA-3; THPH12; CD141/Thrombomodulin

## Contact

 | [www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

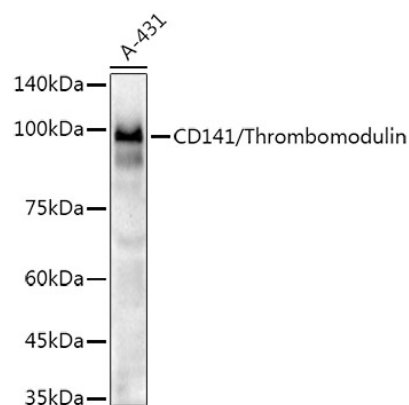
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of extracts of A-431 cells, using CD141/Thrombomodulin antibody (A21197) at 1:2000 dilution.

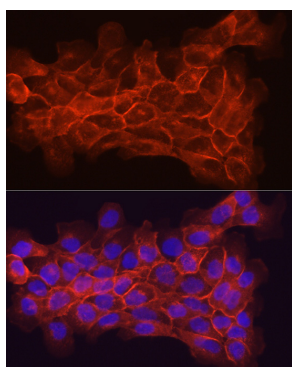
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

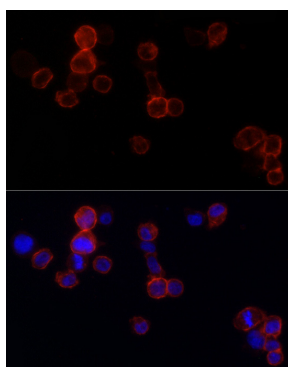
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Enhanced Kit (RM00021).

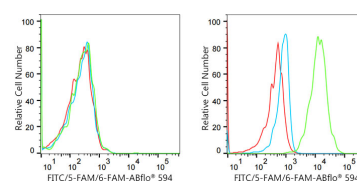
Exposure time: 90s.



Immunofluorescence analysis of A431 using CD141/Thrombomodulin Rabbit mAb (A21197) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of THP-1 using CD141/Thrombomodulin Rabbit mAb (A21197) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Flow cytometry: 1X10<sup>6</sup> Jurkat cells (negative control, left) and THP-1 cells (right) were surface-stained with CD141/Thrombomodulin Rabbit mAb (A21197, 10 µg/mL, green line) or Rabbit IgG isotype control (AC042, 10 µg/mL, blue line), followed by Alexa Fluor 647 conjugated goat anti-rabbit pAb (1:600 dilution) staining. Non-fluorescently stained cells were used as blank control (red line).