

CD141/Thrombomodulin Rabbit mAb

Catalog No.: A21238 **Recombinant**

Basic Information

Observed MW

Refer to figures

Calculated MW

60kDa

Category

Primary antibody

Applications

IHC-P,IF/ICC,FC,ELISA

Cross-Reactivity

Human

CloneNo number

ARC52600

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

IHC-P 1:500 - 1:1000

IF/ICC 1:50 - 1:200

FC 1:100-1:500

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

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

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Product Information

Source

Rabbit

Isotype

IgG

Purification

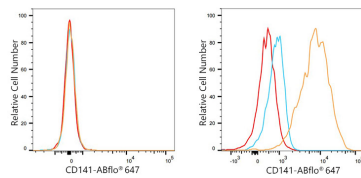
Affinity purification

Storage

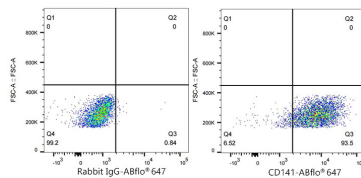
Store at -20°C. Avoid freeze / thaw cycles.

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

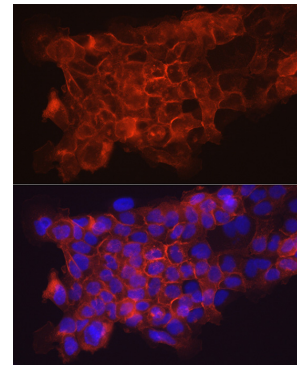
Validation Data



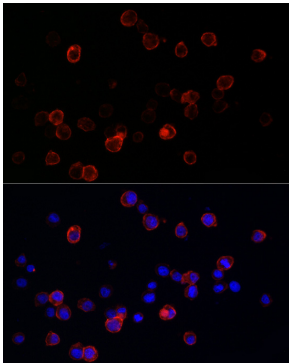
Flow cytometry: 1×10^6 Jurkat cells (negative control, left) and THP-1 cells (right) were surface-stained with CD141/Thrombomodulin Rabbit mAb (A21238, 2.5 $\mu\text{g}/\text{mL}$, orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 5 $\mu\text{g}/\text{mL}$, blue line), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



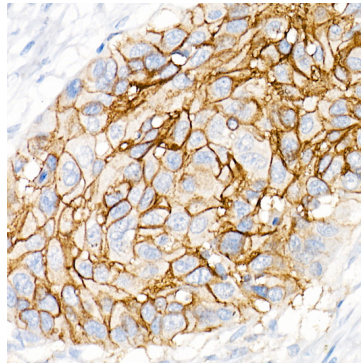
Flow cytometry: 1×10^6 THP-1 cells were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 5 $\mu\text{g}/\text{mL}$, left) or CD141/Thrombomodulin Rabbit mAb (A21238, 2.5 $\mu\text{g}/\text{mL}$, right).



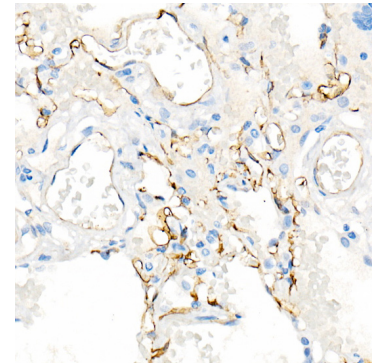
Immunofluorescence analysis of A431 cells using CD141/Thrombomodulin Rabbit mAb (A21238) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



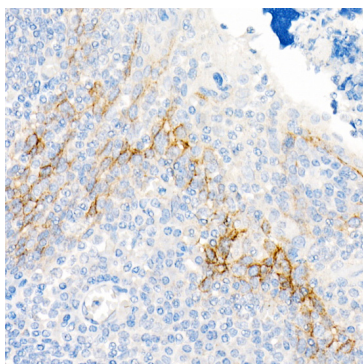
Immunofluorescence analysis of THP-1 cells using CD141/Thrombomodulin Rabbit mAb (A21238) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



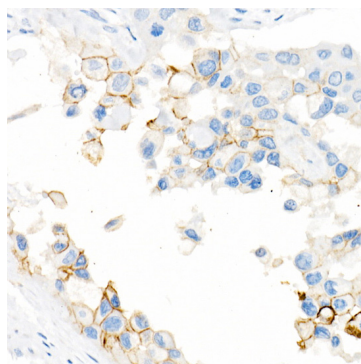
Immunohistochemistry analysis of paraffin-embedded Human lung squamous carcinoma tissue using CD141/Thrombomodulin Rabbit mAb (A21238) at dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human lung using CD141/Thrombomodulin Rabbit mAb (A21238) at dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human tonsil using CD141/Thrombomodulin Rabbit mAb (A21238) at dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human urothelial carcinoma using CD141/Thrombomodulin Rabbit mAb (A21238) at dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.