

## CD141 Monoclonal Antibody

### Description

<b>Product type</b>	Antibody
<b>Code</b>	BT-MCA4208
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1
<b>Size</b>	100µL, 50µL
<b>Immunogen</b>	Purified recombinant fragment of human CD141 (AA: extra 297-505) expressed in E. Coli.
<b>Mol wt</b>	60.3kDa
<b>Species reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Recommended application</b>	FCM
<b>Concentration</b>	N/A
<b>Full name</b>	N/A
<b>Synonyms</b>	THBD;TM;THRM;AHUS6;BDCA3;THPH12

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### 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 Dilution

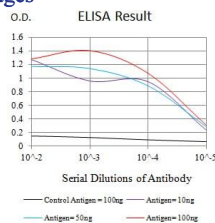
WB: 1:500 - 1:2000

FCM: 1:200 - 1:400

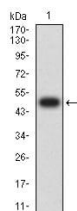
ELISA: 1:10000

Not yet tested in other applications.

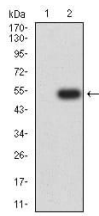
### Images



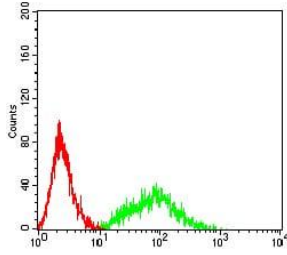
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



Western blot analysis using CD141 mAb against human CD141 (AA: extra 297-505) recombinant protein. (Expected MW is 48.3 kDa)



Western blot analysis using CD141 mAb against HEK293 (1) and CD141 (AA: extra 297-505)-hlgGfc transfected HEK293 (2) cell lysate.



Flow cytometric analysis of HL-60 cells using CD141 mouse mAb (green) and negative control (red).

### Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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