

## Mouse anti-Human CD141 Monoclonal Antibody | anti-CD141 antibody

Mouse Anti-Human CD141 Monoclonal Antibody, Azide Free Clone B-A35

| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                            |
|-----------|-------|------------|-----------------------------------------|
| AAA58572  | Mouse | Human      | ELISA, Flow Cytometry, Functional Assay |

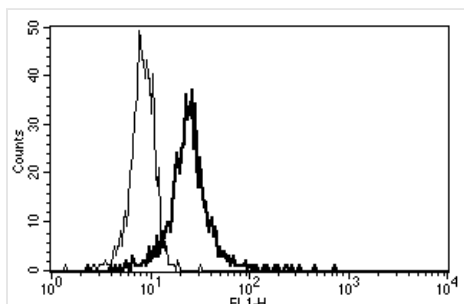
### PRODUCT SYNONYMS

CD141; Monoclonal Antibody; Mouse Anti-Human CD141 Monoclonal Antibody; Azide Free Clone B-A35; Thrombomodulin; anti-CD141 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                          |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Host                                            | Mouse                                                                                                    |
| Reactivity                                      | Human                                                                                                    |
| Clonality                                       | Monoclonal                                                                                               |
| Isotype                                         | Mouse IgG1 Kappa light chain                                                                             |
| Clone Number                                    | B-A35                                                                                                    |
| Specificity                                     | Recognises thrombomodulin (TM), a 105 kDa protein                                                        |
| Purity/Purification                             | Ion exchange chromatography                                                                              |
| Form/Format                                     | Azide free<br>Phosphate-buffered saline. Sterile-filtered through 0.22 um. Carrier and preservative free |
| Applicable Applications for anti-CD141 antibody | ELISA, FCM/FACS (Flow Cytometry)                                                                         |
| Antigen                                         | CD141 / Thrombomodulin                                                                                   |
| Hybridoma                                       | Myeloma X63/AG.8653 x Balb/c spleen cells                                                                |
| Immunisation                                    | TF1 cell line                                                                                            |
| Preparation and Storage                         | Store at +2-8°C. For longer storage, freeze aliquots.                                                    |

### IMAGES



#### Application Data

A typical staining pattern with the B-A35 monoclonal antibody of monocytes

ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-CD141 antibody</b> | <p>CD141 , also known as Thrombomodulin or BDC-A is an transmembrane protein expressed predominantly on the surface of vascular endothelial cells, but also on other cell types such as macrophages, monocytes, subpopulation of myeloid dendritic cells and keratinocytes. Thrombomodulin is a type 1 membrane glycoprotein of 74kDa consisting on a single chain with 6 Epidermal Growth Factor (EGF)-like domains critical for Thrombin and proteine C binding, and four other domains (an N-terminal C-type lectin domain, a highly glycosylated serine/threonine-rich domain, a transmembrane segment, and a short C-terminal cytoplasmic tail. It acts as an important component in the anti-coagulation and fibrinolysis system : cofactor for active thrombin, the thrombomodulin-thrombin complex activates protein C to degrade coagulation factors, inhibiting coagulation and fibrinolysis.</p> <p>When vascular endothelial cells injury occurs, proteolytic cleavage release multiple fragments of thrombomodulin in circulation, so it represents a good marker for endothelial cell damage in pathologies such as cardiovascular disease, acute coronary syndrome, pulmonary thromboembolism or severe hemorrhage. Thrombomodulin has been described as an anticoagulant effect protein, and its therapeutical potential for preventing deep vein thrombosis and its use in the treatment of disseminated intravascular coagulation is under demonstrated in preliminary data.</p> <p>More recently, other biological effects beyond anticoagulation have been demonstrated such as an anti-inflammatory , cell adhesion and proliferation regulation It is also demonstrated that thrombomodulin may be able to suppress the metastatic capacity of tumor cells, and hence have a protective role in many types of malignancies.</p> |
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**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd141-antibody-clone-b-a35-flow-cytometry-elisa/58572>