

Anti-Thrombomodulin / CD141 Antibody
Mouse Monoclonal Antibody
Catalog # AH13534**Specification**

Anti-Thrombomodulin / CD141 Antibody - Product Information

Application	,1,14,3,4,10,
Primary Accession	P07204
Other Accession	2030
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG2b, kappa
Calculated MW	60329

Anti-Thrombomodulin / CD141 Antibody - Additional Information**Gene ID** 7056**Other Names**

AHUS6; BDCA3; CD141; Fetomodulin; Thbd; THPH12; THRM; Thrombomodulin (TM)

Format

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage

Store at 2 to 8°C. Antibody is stable for 24 months.

Precautions

Anti-Thrombomodulin / CD141 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-Thrombomodulin / CD141 Antibody - Protein Information**Name** THBD**Synonyms** THRM**Function**

Thrombomodulin is a specific endothelial cell receptor that forms a 1:1 stoichiometric complex with thrombin. This complex is responsible for the conversion of protein C to the activated protein C (protein Ca). Once evolved, protein Ca scissions the activated cofactors of the coagulation mechanism, factor Va and factor VIIIa, and thereby reduces the amount of thrombin generated.

Cellular Location

Membrane; Single-pass type I membrane protein.

Tissue Location

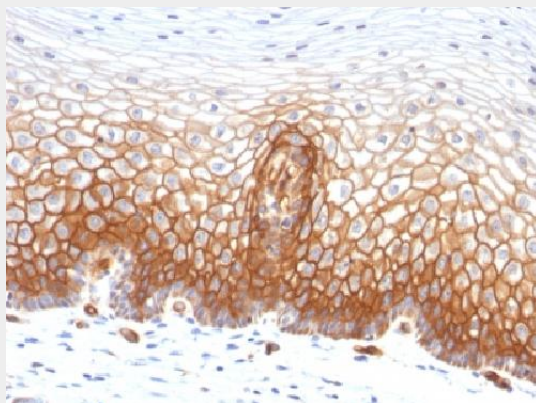
Endothelial cells are unique in synthesizing thrombomodulin

Anti-Thrombomodulin / CD141 Antibody - Protocols

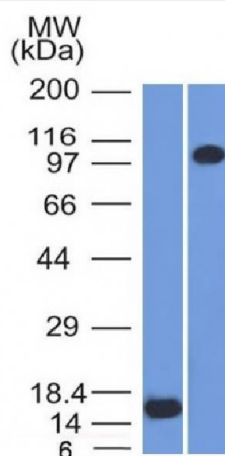
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

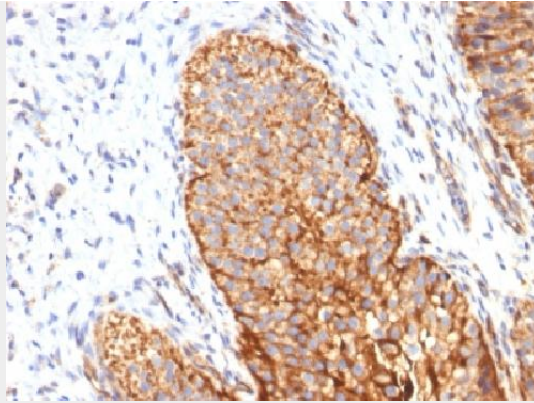
Anti-Thrombomodulin / CD141 Antibody - Images



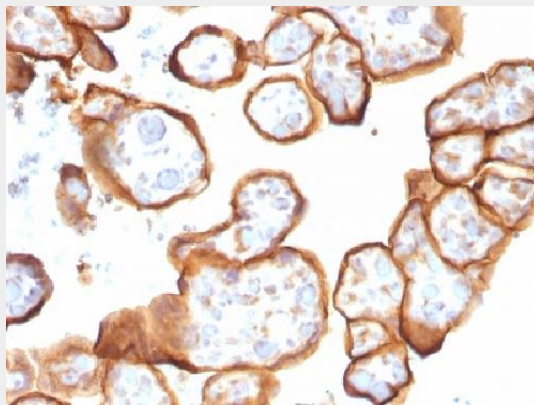
Formalin-fixed, paraffin-embedded human Cervical Carcinoma stained with Thrombomodulin/CD141 Monoclonal Antibody (THBD/1591).



Western Blot Analysis (A) Recombinant Protein (B) THP1 Cell lysate Using Thrombomodulin/CD141 Monoclonal Antibody (THBD/1591).



Formalin-fixed, paraffin-embedded human Bladder Carcinoma stained with Thrombomodulin Monoclonal/CD141 Antibody (THBD/1591).



Formalin-fixed, paraffin-embedded human Placenta stained with Thrombomodulin/CD141 Monoclonal Antibody (THBD/1591).

Anti-Thrombomodulin / CD141 Antibody - Background

It recognizes a protein of 75kDa, identified as Thrombomodulin. Thrombomodulin is a transmembrane glycoprotein with natural anticoagulant properties. It is normally expressed by a restricted number of cells, such as endothelial and mesothelial cells. In addition, synovial lining and syncytio-trophoblasts of placenta also express thrombomodulin. This protein is present in almost all of benign vascular tumors and majority of malignant vascular tumors (Kaposi s sarcoma, angiosarcoma, and epithelioid hemangioendothelioma). Hence, anti-thrombomodulin serves as a sensitive marker for lymphatic endothelial cells and their tumors. Recently, thrombomodulin antibody has been used for mesothelial cells and malignant mesotheliomas.