

## Recombinant Thrombomodulin / CD141 (Endothelial Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone MSVA-141M]

Catalog No	Format	Size
7056-MSM6-P0	Purified Ab with BSA and Azide	20 ug
7056-MSM6-P1	Purified Ab with BSA and Azide	100 ug

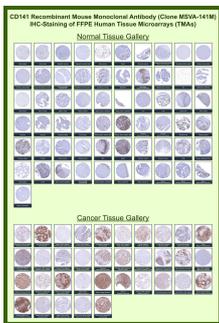
Applications	Tested Dilution	Note
Immunohistochemistry (IHC)	1:100-1:200	Manual Protocol: Freshly cut sections should be used (less than 10 days between cutting and staining). Heat-induced antigen retrieval for 5 minutes in an autoclave at 121°C in pH 7.8 Target Retrieval Solution buffer. Apply the antibody at a dilution of 1:150 at 37°C for 60 minutes. Visualization of bound antibody by the EnVision Kit (Dako, Agilent) according to the manufacturer's directions.

### Product Details

<b>Clone</b>	MSVA-141M
<b>Immunogen</b>	Recombinant fragment (around aa 69-194) of human Thrombomodulin (CD141) protein (exact sequence is proprietary)
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG1 / Kappa
<b>Mol. Weight of Antigen</b>	100kDa
<b>Cellular Localization</b>	Membrane
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	Lung: A strong staining should be seen in endothelial cells, and at least a weak to moderate membranous CD141 staining should be seen in alveolar macrophages.

\*Optimal dilution for a specific application should be determined.

### Product Images for Recombinant Thrombomodulin / CD141 (Endothelial Cell Marker) Antibody



Thrombomodulin Mouse Recombinant Monoclonal Antibody (MSVA-141M) tested on many normal and cancer tissues. The immunohistochemistry staining in these tissues aligns with the expression data in Human Protein Atlas.

### Specificity & Comments

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.

### Supplied As

Ab produced in CHO cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide.

### Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

### Research Areas

Cardiovascular, Endothelial Cell Marker

## Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

---