Mouse Anti-Thrombomodulin (CD141) [EP175]: RM0025

Intended Use: For Research Use Only

Description: Thrombomodulin (TM), also known as CD141, is an endothelial-specific type I membrane receptor that binds thrombin, resulting in the activation of protein C. This causes the degradation of clotting factors Va and VIIIa and reduces the amount of thrombin generated. Defect in Thrombomodulin is a cause of thromboembolic disease, also known as inherited thrombophilia. Thrombomodulin was initially identified in endothelial cells. Its expression was also found in extra-vascular sites, such as in syncytiotrophoblasts in the placenta, epithelial tissues in the gingiva, in skin and in the synovial lining cells. In tumors, Thrombomodulin is expressed in vascular tumors and squamous cell carcinoma in a variety of tissues, including oral mucosa, esophagus and skin. Thrombomodulin is a marker for angiosarcoma. Additionally, anti-Thrombomodulin is useful in differentiating mesothelioma (positive) from lung adenocarcinoma (negative).

Specifications

Clone:	EP175
Source:	Mouse
Isotype:	IgG2a
Reactivity:	Human
Localization:	Cytoplasm, membrane
Formulation:	Tissue culture supernatant in PBS pH7.5, containing 0.2% BSA, 15mM sodium azide (NaN3)
Storage:	Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles
Applications:	IHC

Package:

Description	Catalog No.	Size
Thrombomodulin (CD141) Concentrated	RM0025	1 ml

IHC Procedure

Positive Control Tissue:	Vascular tissue, angiosarcoma
Concentrated Dilution:	50-200
Pretreatment:	Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.

Orders: customercare@medaysis.com Support: techsupport@medaysis.com Tel: 888-608-3167 www.medaysis.com