

Product datasheet for **TA327745**

Thrombomodulin (THBD) Mouse Monoclonal Antibody [Clone ID: 1009]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1009
Applications:	IHC
Recommended Dilution:	IHC: 1:25 - 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1, kappa
Clonality:	Monoclonal
Formulation:	This antibody is supplied as cell culture supernatant diluted in tris buffered saline, pH 7.3-7.7, with 1% BSA and <0.1% sodium azide.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	thrombomodulin
Database Link:	NP_000352 Entrez Gene 7056 Human P07204
Synonyms:	AHUS6; BDCA3; CD141; THPH12; THRM; TM

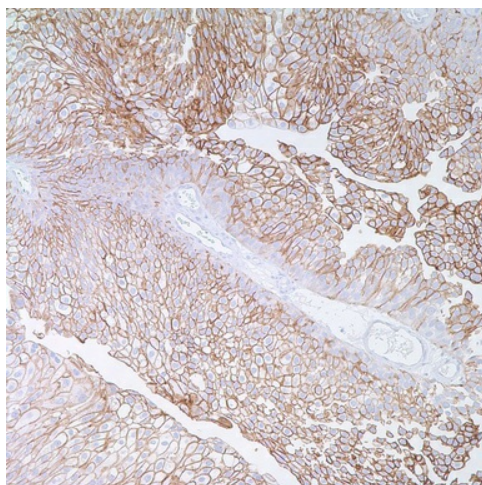
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Note: Thrombomodulin (TM) is a transmembrane glycoprotein composed of 575 amino acids (molecular weight 75 kD) with natural anticoagulant properties. It is normally expressed by a restricted number of cells such as endothelial and mesothelial cells. In addition, synovial lining and syncytiotrophoblasts of human placenta also express TM. Several immunohistochemical endothelial markers are currently available and anti-thrombomodulin serves as another such marker, staining blood and lymphatic channels consistently. Anti-TM has demonstrated positivity in 100% of benign vascular tumors (pyogenic granuloma and hemangioma) and 94% of malignant vascular tumors (Kaposi's sarcoma, angiosarcoma, and epithelioid hemangioendothelioma). Hence, anti-TM serves as a sensitive marker for lymphatic endothelial cells and their tumors. There has also been recent interest in the use of anti-TM as an immunohistochemical marker for mesothelial cells and malignant mesotheliomas. Anti-TM is immunoexpressed in a variety of other tumors including squamous cell carcinomas of the lung, synovial sarcoma, transitional cell carcinoma, renal cell carcinomas, and thymomas.

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Complement and coagulation cascades

Product images:



Immunohistochemistry staining of Paraffin Bladder, mesothelioma tissue by Thrombomodulin antibody (dilution: 1:25 - 1:100; visualization of staining: Membranous, cytoplasmic)