

## Product datasheet for **TA355263**

### Thrombomodulin (THBD) Mouse Monoclonal Antibody [Clone ID: 15C8]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	15C8
Applications:	IHC
Recommended Dilution:	1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Prokaryotic recombinant protein corresponding to the epidermal growth factor homology domain of the human CD141 molecule
Specificity:	Human thrombomodulin, also known as fetomodulin, endothelial anticoagulant protein, glycoprotein P112 and CD141
Formulation:	Liquid tissue culture supernatant containing sodium azide as a preservative
Conjugation:	Unconjugated
Storage:	Store at 2-8°C
Stability:	12 months
Gene Name:	thrombomodulin
Database Link:	<a href="#">Entrez Gene 7056 Human P07204</a>



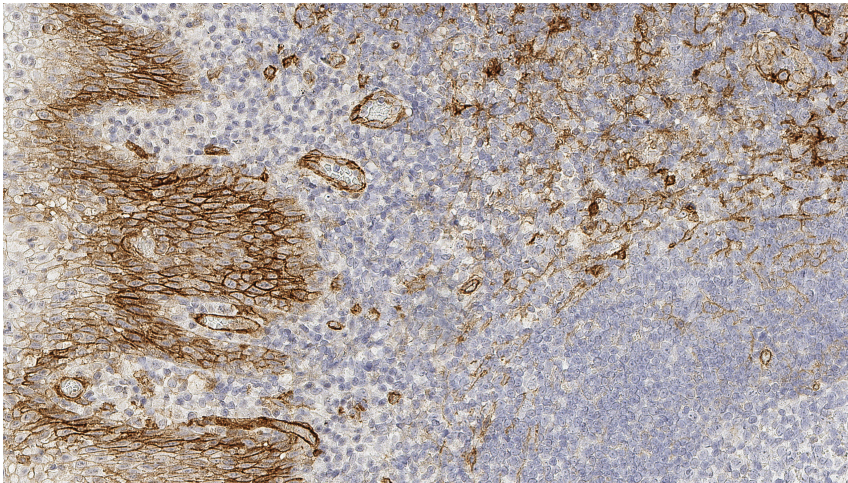
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**Background:**

Thrombomodulin is a transmembrane glycoprotein of 75 kD which can accelerate the activation of protein C. Activated protein C functions as an anticoagulant by combining with protein S to inactivate factors Va and VIIIa of the blood coagulation pathway and by binding thrombin. Several factors regulate thrombomodulin expression. Downregulation of thrombomodulin may be induced by the cytokine interleukin-1, tumor necrosis factor and endotoxin. Agents which increase cyclic AMP such as forskolin may upregulate thrombomodulin activity in endothelial cells. Thrombomodulin has been identified within a number of normal tissues. These include the lining cells of arteries, veins, capillaries and the lymphatics as well as mesothelial cells, meningeal lining cells, synovial cells, syncytiotrophoblasts, megakaryocytes and platelets.

**Synonyms:**

AHUS6; CD141; fetomodulin; THRM; thrombomodulin; TM

**Product images:**

Human tonsil: immunohistochemical staining for CD141. Note membrane staining of the basal cells of the squamous mucosa, endothelium and a subset of dendritic cells. CD141: clone 15C8