

**Thrombomodulin Rabbit mAb**  
**Catalog # AP74839****Specification**

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**Thrombomodulin Rabbit mAb - Product Information**

Application	WB, IP, ICC
Primary Accession	<a href="#">P07204</a>
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	60329

**Thrombomodulin Rabbit mAb - Additional Information****Gene ID** 7056**Other Names**  
THBD**Dilution**  
WB~~1/500-1/1000  
IP~~N/A  
ICC~~N/A**Format**  
Liquid**Thrombomodulin Rabbit mAb - Protein Information****Name** THBD**Synonyms** THRM**Function**

Endothelial cell receptor that plays a critical role in regulating several physiological processes including hemostasis, coagulation, fibrinolysis, inflammation, and angiogenesis (PubMed:<a href="http://www.uniprot.org/citations/10761923" target="\_blank">10761923</a>). Acts as a cofactor for thrombin activation of protein C/PROC on the surface of vascular endothelial cells leading to initiation of the activated protein C anticoagulant pathway (PubMed:<a href="http://www.uniprot.org/citations/29323190" target="\_blank">29323190</a>, PubMed:<a href="http://www.uniprot.org/citations/33836597" target="\_blank">33836597</a>, PubMed:<a href="http://www.uniprot.org/citations/9395524" target="\_blank">9395524</a>). Also accelerates the activation of the plasma carboxypeptidase B2/CPB2, which catalyzes removal of C-terminal basic amino acids from its substrates including kinins or anaphylatoxins leading to fibrinolysis inhibition (PubMed:<a href="http://www.uniprot.org/citations/26663133" target="\_blank">26663133</a>). Plays critical protective roles in changing the cleavage specificity of protease-activated receptor 1/PAR1, inhibiting endothelial cell permeability and inflammation (By similarity). Suppresses inflammation distinctly from its anticoagulant cofactor

activity by sequestering HMGB1 thereby preventing it from engaging cellular receptors such as RAGE and contributing to the inflammatory response (PubMed:<a href="http://www.uniprot.org/citations/15841214" target="\_blank">15841214</a>).

**Cellular Location**

Membrane; Single-pass type I membrane protein.

**Tissue Location**

Endothelial cells are unique in synthesizing thrombomodulin

**Thrombomodulin Rabbit mAb - 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](#)

**Thrombomodulin Rabbit mAb - Images**

