

Thrombomodulin Rabbit mAb

Catalog # AP76172

Specification

Thrombomodulin Rabbit mAb - Product Information

Application WB
Primary Accession P15306
Reactivity Mouse, Rat
Host Rabbit

Clonality Monoclonal Antibody

Calculated MW 61868

Thrombomodulin Rabbit mAb - Additional Information

Gene ID 21824

Other Names

Thbd

Dilution

WB~~1/500-1/1000

Format

50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Thrombomodulin Rabbit mAb - Protein Information

Name Thbd

Function

Endothelial cell receptor that plays a critical role in regulating several physiological processes including hemostasis, coagulation, fibrinolysis, inflammation, and angiogenesis. 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. 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 (By similarity). Plays critical protective roles in changing the cleavage specificity of protease-activated receptor 1/PAR1, inhibiting endothelial cell permeability and inflammation (PubMed:38174561/a>). 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 (By similarity).

Cellular Location

Membrane {ECO:0000250|UniProtKB:P07204}; Single- pass type I membrane protein



{ECO:0000250|UniProtKB:P07204}

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
- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

Thrombomodulin Rabbit mAb - Images







