

For Research Use Only

Recombinant Mouse Thrombomodulin protein (His Tag)



Catalog Number: Eg1139

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: His Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <1.0 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Mouse Thrombomodulin protein Leu17-Ser517 (Accession# P15306) with a His tag at the C-terminus.</p> <p>GeneID: 21824</p> <p>Accession: P15306</p> <p>Predicted Molecular Mass: 54.9 kDa</p> <p>SDS-PAGE:</p> <p>Formulation: Lyophilized from sterile PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none">• Until expiry date, -20°C to -80°C as lyophilized proteins.• 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>Thrombomodulin, also known as THBD and CD141, is an endothelial cell surface glycoprotein that forms a 1:1 complex with the coagulation factor thrombin and plays an important role as a natural anticoagulant. Thrombomodulin serves to convert thrombin from a procoagulant protein into the activator for protein C. Once converted to activated protein C (APC), this protein serves as a major anticoagulant in blood. Thrombomodulin is also located in other cells (keratinocytes, osteoblasts, macrophages,...) where it might be involved in cell differentiation or in inflammation. In humans, thrombomodulin is encoded by the THBD gene. Mutations in this gene are a cause of thromboembolic disease, also known as inherited thrombophilia.</p>		
References	<ol style="list-style-type: none">1. Esmon, N L. Seminars in thrombosis and hemostasis vol. 13,4 (1987): 454-63.2. Boffa, M C, and M Karmochkine. Lupus vol. 7 Suppl 2 (1998): S120-5.3. Delvaeye, Mieke et al. The New England journal of medicine vol. 361,4 (2009): 345-57.		
Synonyms	CD141, Fetomodulin, Thbd, TM		

Selected Validation Data

For technical support and original validation data for this product please contact

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