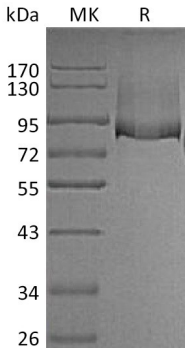
Product Name: Recombinant Mouse Thrombomodulin (C-6His)
Catalog #: PHM1635

Summary

Name	Thrombomodulin/BDCA-3/CD141
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Mouse Thrombomodulin is produced by our Mammalian expression system and the target gene encoding Leu17-Ser517 is expressed with a 6His tag at the C-terminus.
Accession #	P15306
Host	Human Cells
Species	Mouse
Predicted Molecular Mass	54.6 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



Background

Alternative Names	Thrombomodulin; TM; Fetomodulin; CD141; BDCA-3; Thbd
Background	Thrombomodulin is also known as CD141 antigen and blood dendritic cell antigen

3 (BDCA3), which is encoded by the THBD gene. The deduced amino acid sequence of mouse THBD predicts a signal peptide (aa 1 to 16) and a mature chain (aa 17 to 577) that consists of the following domains: C-type lectin, EGF-like, transmembrane and cytoplasmic. Mouse THBD is corresponding to the extracellular portion of the type I membrane protein. Predominantly synthesized by vascular endothelial cells, THBD inhibits coagulation and fibrinolysis. It functions as a cell surface receptor and an essential cofactor for active thrombin, which in turn activates protein C and thrombinactivatable fibrinolysis inhibitor (TAFI), also known as carboxypeptidase B2 (CPB2). In addition, THBD gene polymorphisims are associated with human disease and THBD plays a role in thrombosis, stroke, arteriosclerosis, and cancer.

Note

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