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## Product Datasheet

### Recombinant Mouse Thrombomodulin (C-6His) EBT-EPT230

Article Name	Recombinant Mouse Thrombomodulin (C-6His)
Biozol Catalog Number	EBT-EPT230
Supplier Catalog Number	EPT230
Alternative Catalog Number	EBT-EPT230-10
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	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....
Molecular Weight	Molecular weight: 54.6 KDa. Apparent molecular weight: 85-90 KDa, reducing conditions
UniProt	<a href="#">P15306</a>
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes	<p>Endotoxin: Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.</p> <p>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.</p> <p>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 polymorphisms are associated with human disease and THBD plays a role in thrombosis, stroke, arteriosclerosis, and cancer</p>
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