

Product datasheet for **TP727749**

Thbd Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse Thrombomodulin/BDCA-3/CD141 (C-6His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Leu17-Ser517
Tag:	C-His
Buffer:	Supplied as a 0.2 um filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0 .
Note:	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.
Stability:	12 months from date of despatch
Locus ID:	21824
UniProt ID:	P15306
Summary:	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 polymorphisms are associated with human disease and THBD plays a role in thrombosis, stroke, arteriosclerosis, and cancer.



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