

32-8989: Recombinant Mouse Thrombomodulin/BDCA-3/CD141 (C-6His)

Gene : Thbd
Gene ID : 21824
Uniprot ID : P15306

Description

Source: Human Cells.
MW :54.6kD.

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. 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.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM Tris, 150mM NaCl, pH8.0.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : LSALAKLQPTGSQCVEHECFALFQGPATFLDASQACQRLQGHLMTVRSSVAADVISLLLSQSSMDLGPWIGLQ
LPQGDDPVHLGPLRGFQWVTGDNHTSYSRWARPNDQTAPLCGPLCVTVSTATEAAPGEPAWEEKPCETET
QGFLCEFYFTASCRPLTVNTRDPEAAHISSTYNTPFVSGADFQTLVPGSSAAVEPLGLELVCRAPPGTSEGHW
AWEATGAWNCSVENGGCEYLNRSTNEPRCLCPRDMDLQADGRSCARPVVQSCNELCEHFCVSNAEVPGSY
SCMCETGYQLAADGHRCEVDVDDCKQGNPCPQLCVNTKGGFECFCYDGYELVDGECVELLDPCFGSNCEFCQ
CQPVSPDYRCICAPGFAPKPDEPHKCEMFCNETSCPADCDPNSPTVCECPEGFILDEGSVCTDIDECSEQECF
TSECRNFPGSYECICGPDALAGQISKDCDPIVREDTKEEEGSGEPPVSPTPGSPTGPPSARPVHSHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.