Thrombomodulin Protein, Mouse (HEK293, His)

Cat. No.:	HY-P72451
Synonyms:	Thrombomodulin; TM; Fetomodulin; CD141; BDCA-3; Thbd
Species:	Mouse
Source:	HEK293
Accession:	P15306 (L17-S517)
Gene ID:	21824
Molecular Weight:	85-90 kDa

PROPERTIES

AA Sequence	L S A L A K L Q P T G S Q C V E H E C F A L F Q G P A T F L D A S Q A C Q R L Q G H L M T V R S S V A A D V I S L L L S Q S S M D L G P W I G L Q L P Q G C D D P V H L G P L R G F Q W V T G D N H T S Y S R W A R P N D Q T A P L C G P L C V T V S T A T E A A P G E P A W E E K P C E T E T Q G F L C E F Y F T A S C R P L T V N T R D P E A A H I S S T Y N T P F G V S G A D F Q T L P V G S S A A V E P L G L E L V C R A P P G T S E G H W A W E A T G A W N C S V E N G G C E Y L C N R S T N E P R C L C P R D M D L Q A D G R S C A R P V V Q S C N E L C E H F C V S N A E V P G S Y S C M C E T G Y Q L A A D G H R C E D V D D C K Q G P N P C P Q L C V N T K G G F E C F C Y D G Y E L V D G E C V E L L D P C F G S N C E F Q C Q P V S P T D Y R C I C A P G F A P K P D E P H K C E M F C N E T S C P A D C D P N S P T V C E C P E G F I L D E G S V C T D I D E C S Q G E C F T S E C R N F P G S Y E C I C G P D T A L A G Q I S K D C D P I P V R E D T K E E E G S G E P P V S P T P G S P T G P P S A R P V H S
Appearance	Solution.
Formulation	Supplied as a 0.2 μm filtered solution of 20 mM Tris-HCl, 150 mM NaCl, pH 8.0 .
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	N/A
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice

DESCRIPTION

Background	Thrombomodulin Protein serves as a specific endothelial cell receptor, engaging in a 1:1 stoichiometric complex with thrombin. This complex plays a pivotal role in the conversion of protein C to its activated form, protein Ca. Upon activation, protein Ca functions to cleave the activated cofactors of the coagulation cascade, namely factor Va and factor VIIIa, leading to a reduction in the overall production of thrombin. Thrombomodulin's interactions with ITGAL, ITGAM, and ITGB2 further emphasize its role in mediating cellular interactions, possibly influencing immune responses. This intricate interplay underscores the significance of Thrombomodulin in modulating the coagulation pathway and maintaining hemostatic balance.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA