

Thrombomodulin ELISA Kit | THBD elisa kit

Monkey primate Thrombomodulin PicoKine ELISA Kit

CATALOG # AAA124814	REACTIVITY Monkey There is no detectable cross-reactivity with other relevant proteins.	APPLICATIONS ELISA
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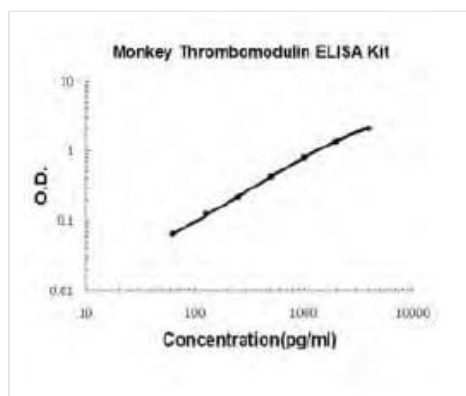
PRODUCT SYNONYMS

Thrombomodulin; Monkey primate Thrombomodulin PicoKine ELISA Kit; TM; Fetomodulin; CD141; THBD; THRM; THBD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Monkey There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant 215 Monkey primate Thrombomodulin
Sequence Length	575
Assay Type	Quantitative Sandwich
Detection Range	62.5pg/ml-4000pg/ml
Sensitivity	<10pg/ml
Applicable Applications for THBD elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for THBD elisa kit	Principle of the Assay: 215 Monkey primate Thrombomodulin ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Monkey primate Thrombomodulin has been precoated onto 96-well plates. Standards(Expression system for standard: NSO; Immunogen sequence: A19-S515) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Monkey primate Thrombomodulin is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the 215 Monkey primate Thrombomodulin amount of sample captured in plate. Background: Thrombomodulin(TM), CD141 or BDCA-3 is an integral membrane protein expressed on the surface of endothelial cells and serves as a cofactor for thrombin. It reduces blood coagulation by converting thrombin to an anticoagulant enzyme from a procoagulant enzyme. Thrombomodulin is also expressed on monkey primate mesothelial cell, monocyte and a dendritic cell subset. In humans, thrombomodulin is encoded by the THBD gene. The protein has a molecular mass of 74kDa, and consists of a single chain with 5 distinct domains. Thrombomodulin functions as a cofactor in the thrombin-induced activation of protein C in the anticoagulant pathway by forming a 1:1 stoichiometric complex with thrombin. This raises the speed of protein C activation thousandfold. Thrombomodulin-bound thrombin has procoagulant effect at the same time by inhibiting fibrinolysis by cleaving thrombin-activatable fibrinolysis inhibitor(TAFI,aka carboxypeptidase B2) into its active form. Thrombomodulin is a glycoprotein on the surface of endothelial cells that, in addition to binding thrombin, regulates C3b inactivation by factor I. Mutations in the thrombomodulin gene(THBD) have also been reported to be associated with atypical hemolytic-uremic syndrome(aHUS).
Product Categories/Family for THBD elisa kit	Cardiovascular; Blood; Coagulation; Regulatory; Stem Cells; Endothelial Progenitors; Endothelial Markers; Kits/Lysates/Other; ELISA Kits; Adhesion Molecules ELISA Kits; Cardiovascular; Cardiovascular Markers; Cell Markers; Endothelial Cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507483
NCBI GeneID	7056
NCBI Accession #	NP_000352.1
NCBI GenBank Nucleotide #	NM_000361.2
UniProt Accession #	P07204; Q8IV29; Q9UC32
Molecular Weight	60329 MW
NCBI Official Full Name	thrombomodulin
NCBI Official Synonym Full Names	thrombomodulin
NCBI Official Symbol	THBD
NCBI Official Synonym Symbols	TM; THRM; AHUS6; BDCA3; CD141; THPH12
NCBI Protein Information	thrombomodulin
UniProt Protein Name	Thrombomodulin
UniProt Gene Name	THBD
UniProt Synonym Gene Names	THRM; TM

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.