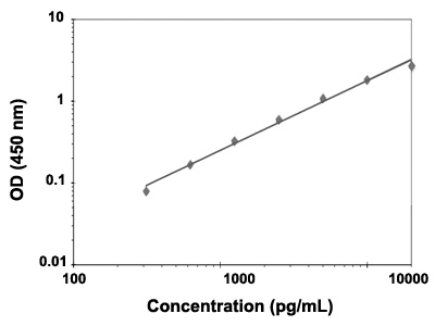
THBD (Human) ELISA Kit

Catalog # KA2250 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	THBD (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human THBD.
Suitable Sample	Cell Lysate, Plasma, Serum
Sample Volume	100 uL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	32 to 2000 pg/mL
Reactivity	Human
Regulation Status	For research use only (RUO)
Expiration Date	Kit expiration is 3 months from date of shipment
Quality Control Testing	Standard Curve The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

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Storage Instruction	Store the kit at 4°C.

Applications

- Quantification

Gene Info — THBD

Entrez GeneID	7056
Gene Name	THBD
Gene Alias	CD141, THRM, TM
Gene Description	thrombomodulin
Omim ID	188040
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this intronless gene is an endothelial-specific type I membrane receptor t hat binds thrombin. This binding results in the activation of protein C, which degrades clotting fact ors Va and VIIIa and reduces the amount of thrombin generated. Mutations in this gene are a caus e of thromboembolic disease, also known as inherited thrombophilia. [provided by RefSeq
Other Designations	CD141 antigen|OTTHUMP00000030415|fetomodulin

Publication Reference

- Thrombomodulin reduces α-synuclein generation and ameliorates neuropathology in a mouse model of Parkinson's disease.

  Xiao-Yun Niu, Xi-Xiu Xie, Hou-Zhen Tuo, Cui-Ping Lv, Ya-Ru Huang, Jie Zhu, Shi-Yu Liang, Xiao-Yu Du, Cheng-Gang Yang, Sheng-Jie Hou, Xiao-Ying Sun, Ling-Jie Li, Fang Cui, Qi-Xin Huang , Ying-Bo Jia, Yu-Jiong Wang, Rui-Tian Liu.

  Cell Death Discovery 2024 Apr; 10(1):167.

  Application: ELISA, Human, Human plasma

- Circulating Thrombomodulin: Release Mechanisms, Measurements, and Levels in Diseases and Medical Procedures.

  Mallorie Boron, Tiffany Hauzer-Martin, Joseph Keil, Xue-Long Sun.

  TH Open: Companion Journal to Thrombosis and Haemostasis 2022 Jul; 6(3):e194.

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Pathway

- Complement and coagulation cascades

Disease

- Abortion
- Abruptio Placentae
- Adenocarcinoma
- Alzheimer disease
- Anemia
- Angina Pectoris
- Arterial Occlusive Diseases
- Atherosclerosis
- Blood Coagulation Disorders
- Brain Infarction
- Brain Ischemia
- Calcinosis
- Cardiovascular Diseases
- Carotid Artery Diseases
- Cerebral Infarction
- Cerebral Palsy
- Cerebrovascular Accident
- Cerebrovascular Disorders
- Chorioamnionitis
- Coronary Artery Disease
- Coronary Disease

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- Coronary Restenosis
- Coronary Stenosis
- Diabetes Complications
- Diabetes Mellitus
- Disease Progression
- Edema
- Esophageal Neoplasms
- Fetal Death
- Fetal Membranes
- Genetic Predisposition to Disease
- Glomerulonephritis
- Hematologic Diseases
- Hemolytic-Uremic Syndrome
- Hypercholesterolemia
- Hypertension
- Inflammation
- Kidney Failure
- Liver Cirrhosis
- Metabolic Syndrome X
- Myocardial Infarction
- Neoplasms
- Obstetric Labor
- Osteoporosis
- Pre-Eclampsia
- Premature Birth
- Recurrence

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- Thromboembolism
- Thrombophilia
- Thrombosis
- Tobacco Use Disorder
- Varicose Veins
- Venous Thrombosis
- Werner syndrome

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