TIMP3 (Human) ELISA Kit

Catalog # KA0420 Size 1 Kit

Specification

Product Description	TIMP3 (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human TIMP3.
Suitable Sample	Cell Culture Supernatant, Plasma (EDTA, Heparin), Serum, Saliva
Sample Volume	100 uL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	156 to 10000 pg/mL
Reactivity	Human
Regulation Status	For research use only (RUO)
Storage Instruction	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles.

Applications

- Quantification

Gene Info — TIMP3

Entrez GeneID	7078
Gene Name	TIMP3
Gene Alias	HSMRK222, K222, K222TA2, SFD

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Gene Description	TIMP metallopeptidase inhibitor 3
Omim ID	136900 188826
Gene Ontology	Hyperlink
Gene Summary	This gene belongs to the TIMP gene family. The proteins encoded by this gene family are inhibitor s of the matrix metalloproteinases, a group of peptidases involved in degradation of the extracellul ar matrix (ECM). Expression of this gene is induced in response to mitogenic stimulation and this netrin domain-containing protein is localized to the ECM. Mutations in this gene have been associ ated with the autosomal dominant disorder Sorsby's fundus dystrophy. [provided by RefSeq
Other Designations	MIG-5 protein|tissue inhibitor of metalloproteinase 3

Publication Reference

- Oxysterol-induced soluble endoglin release and its involvement in hypertension.

  Valbuena-Diez AC, Blanco FJ, Oujo B, Langa C, Gonzalez-Nuñez M, Llano E, Pendas AM, Díaz M, Castrillo A, Lopez-Novoa JM, Bernabeu C.

  Circulation 2012 Nov; 126(22):2612.

  Application: ELISA, Human, JAR cells culture medium

- Transcriptional regulation of TIMPs in ascending aorta aneurysms.

  Tsarouhas K, Soufla G, Apostolakis S, Zaravinos A, Panagiotou M, Khoury M, Hassoulas JA, Tsatsakis AM, Spandidos DA.

  Thrombosis Research 2010 Nov; 126(5):399.

  Application: ELISA, Human, Aortic tissue

- Genomic organization of the human tissue inhibitor of metalloproteinases-3 (TIMP3).

  Stohr H, Roomp K, Felbor U, Weber BH.

  Genome Research 1995 Dec; 5(5):483.

- Cloning of the cDNA encoding human tissue inhibitor of metalloproteinases-3 (TIMP-3) and mapping of the TIMP3 gene to chromosome 22.

  Apte SS, Mattei MG, Olsen BR.

  Genomics 1994 Jan; 19(1):86.

Disease

- Aortic Aneurysm

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- Atherosclerosis
- Breast cancer
- Breast Neoplasms
- Cardiovascular Diseases
- Carotid Artery Diseases
- Carotid Stenosis
- Cleft Lip
- Cleft Palate
- Connective Tissue Diseases
- Coronary Disease
- Diabetes Mellitus
- Diabetic Angiopathies
- Diabetic Retinopathy
- Disease Progression
- Edema
- Fetal Diseases
- Genetic Predisposition to Disease
- Hepatitis C
- Hypertension
- Infection
- Inflammation
- Intracranial Aneurysm
- Liver Cirrhosis
- Lymphoma
- Macular Degeneration
- Musculoskeletal Diseases

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- Myocardial Infarction
- Ovarian Neoplasms
- Pregnancy Complications
- Premature Birth
- Pulmonary Fibrosis
- Retinal Diseases
- Schizophrenia
- Skin Diseases

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