

# 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 | <a href="#">7078</a>         |
| Gene Name     | TIMP3                        |
| Gene Alias    | HSMRK222, K222, K222TA2, SFD |

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Description   | TIMP metalloproteinase inhibitor 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Omim ID            | <a href="#">136900 188826</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Gene Summary       | This gene belongs to the TIMP gene family. The proteins encoded by this gene family are inhibitors of the matrix metalloproteinases, a group of peptidases involved in degradation of the extracellular 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 associated 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, Oujó B, Langa C, Gonzalez-Núñez 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](#)

- [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](#)

- [Myocardial Infarction](#)
- [Ovarian Neoplasms](#)
- [Pregnancy Complications](#)
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- [Pulmonary Fibrosis](#)
- [Retinal Diseases](#)
- [Schizophrenia](#)
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