

Human TIMP-2 ELISA Kit | TIMP-2 elisa kit

TIMP-2 ELISA

CATALOG #
AAA72629

REACTIVITY
Human

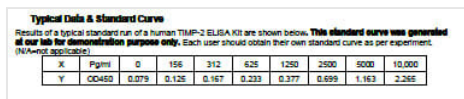
PRODUCT SYNONYMS

TIMP-2; TIMP-2 ELISA; TIMP-2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	192
Samples	Human Serum, Plasma, Body Fluids, Tissue Lysates Or Cell Culture Supernates
Assay Type	Sandwich
Detection Range	156pg/ml-10,000pg/ml
Sensitivity	<5pg/ml
Preparation and Storage	2 - 8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TIMP-2 elisa kit

Intended Uses: For detection of TIMP-1 in human serum, plasma, body fluids, tissue lysates or cell culture supernates. For research use only.

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-TIMP-1 polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-TIMP-1 polyclonal antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with wash buffer. TMB substrates were 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 TIMP-1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of TIMP-1 can be calculated!!

Background/Introduction: Tissue inhibitor of metalloproteinase 1 (TIMP1), also known as Erythroid Potentiating Activity (EPA), is a 28,000 MW glycoprotein that is expressed from the several tissues of organisms. This protein is a member of the TIMP family. The glycoprotein is a natural inhibitor of the matrix metalloproteinases (MMPs), a group of peptidases involved in degradation of the extracellular matrix. It plays a major role in modulating the activity of interstitial collagenase as well as a number of connective tissue metalloendoproteases. Decreased TIMP1 and increased cathepsin V/L2 levels might play a role in the matrix degradation that is a hallmark of keratoconus corneas. It is able to promote cell proliferation in a wide range of cell types, and may also have an anti-apoptotic function.

Product Categories/Family for TIMP-2 elisa kit

Cytokines & Cell Signalling; Endocrinology; Hormones; Oncology; Research Assays; Assay Categories

NCBI AND UNIPROT INFORMATION

NCBI GI #	262883
NCBI Official Full Name	TIMP-2, CSC-21K=tissue inhibitor of metalloproteinase

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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/timp-2/72629>