

Human TIMP-1 ELISA Kit | TIMP-1 elisa kit

TIMP-1 ELISA

CATALOG #
AAA72628

REACTIVITY
Human

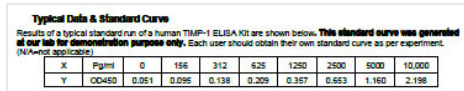
PRODUCT SYNONYMS

TIMP-1; TIMP-1 ELISA; TIMP-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	17
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-1 elisa kit

Intended Uses: For detection of TIE2 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-TIE2 polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-TIE2 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 TIE2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of TIE2 can be calculated!!
Background/Introduction: Tyrosine kinase with Ig and EGF homology domain 2 (Tie-2), also called TEK tyrosine kinase, endothelial (TEK). The TEK receptor tyrosine kinase is expressed almost exclusively in endothelial cells in mice, rats, and humans. This receptor possesses a unique extracellular domain containing 2 immunoglobulin-like loops separated by 3 epidermal growth factor-like repeats that are connected to 3 fibronectin type III-like repeats. The TIE2 expression is increased in goiter in both humans and rats, consistent with a role in goitrogenesis. And the activating mutation in TIE2 caused inherited venous malformations in the 2 families and that the TIE2 signaling pathway is critical for endothelial cell-mooth muscle cell communication in venous morphogenesis.

Product Categories/Family for TIMP-1 elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	235066
NCBI Official Full Name	TIMP-1=27 kda tissue inhibitor of metalloproteases, partial

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-1/72628>