

Guinea pig Tissue Inhibitors of Metalloproteinase 1 ELISA Kit | TIMP-1 elisa kit

Guinea pig Tissue Inhibitors of Metalloproteinase 1 ELISA Kit

CATALOG #
AAA100848

REACTIVITY
Guinea pig

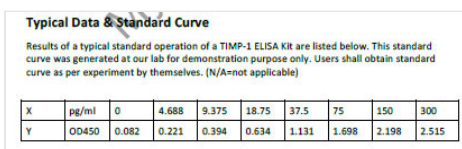
PRODUCT SYNONYMS

Tissue Inhibitors of Metalloproteinase 1; Guinea pig Tissue Inhibitors of Metalloproteinase 1 ELISA Kit; TIMP-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea pig
Specificity	This assay has high sensitivity and excellent specificity for detection of TGF-beta3. No significant cross-reactivity or interference between TGF-beta3 and analogues was observed.
Sequence Length	40
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	4.688-300pg/ml
Sensitivity	2.813pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TGF-beta3 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TGF-beta3 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TIMP-1 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-TGF-beta3 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-TGF-beta3 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin 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 TGF-beta3 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of TGF-beta3 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	994731
NCBI GeneID	7076
Molecular Weight	23,171 Da
NCBI Official Full Name	tissue inhibitor of metalloproteinase 1, partial
NCBI Official Synonym Full Names	TIMP metalloproteinase inhibitor 1
NCBI Official Symbol	TIMP1
NCBI Official Synonym Symbols	EPA; EPO; HCI; CLGI; TIMP; TIMP-1
NCBI Protein Information	metalloproteinase inhibitor 1
UniProt Protein Name	Metalloproteinase inhibitor 1
UniProt Gene Name	TIMP1
UniProt Synonym Gene Names	CLGI; TIMP; EPA; Collagenase inhibitor; TIMP-1
UniProt Entry Name	TIMP1_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/timp-1-guinea-pig-pig-elisa-kits/tissue-inhibitors-of-metalloproteinase-1/100848>