

Datasheet for ABIN6720140

TIMP2 ELISA Kit



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Overview

Quantity:	1 kit
Target:	TIMP2
Reactivity:	Rat
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

Product Details

Purpose:	Rat TIMP-2 Sandwich ELISA Kit for Quantitative Detection
Brand:	AccuSignal™
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Production: Natural and recombinant rat TIMP-2. There is no detectable cross-reactivity with other relevant proteins.
Sensitivity:	< 10 pg/mL
Components:	• Antibody-coated 96-well plate • Target Protein Standard • Detection antibody

Product Details

- Detection reagent
- Diluent buffers
- Wash buffers
- Substrate Solution
- Stop solutions
- Adhesive covers

Target Details

Target:	TIMP2
Alternative Name:	TIMP-2 (TIMP2 Products)
Background:	Synonyms: CSC 21K, CSC21K, D11Bwg1104e, DDC8, Metalloproteinase inhibitor 2, Metalloproteinase inhibitor 2 precursor, MGC105282, OTTMUSP00000004170, OTTMUSP00000004171, RP23-39409.2, TIMP 2, TIMP metalloproteinase inhibitor 2, Tissue inhibitor of metalloproteinase 2, Tissue inhibitor of metalloproteinases 2 Background: TIMP-2 gen is encoded by 5 exons spanning 83 kb of genomic DNA. TIMP-2 is 83 kilobase pairs (kb) long with exon-intron splicing sites located in preserved positions among the three members of the TIMP family. The gene for tissue inhibitor of metalloproteinases-2 is localized on human chromosome arm 17q25. TIMP-2 abrogates angiogenic factor-induced endothelial cell proliferation in vitro and angiogenesis in vivo independent of MMP inhibition. The standard product used in this kit is recombinant human TIMP-2 with the molecular mass of 22Kda and 194 amino acid.
Gene ID:	29543
NCBI Accession:	NP_068824
UniProt:	P30121
Pathways:	cAMP Metabolic Process

Application Details

Application Notes:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10,000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 313pg/mL, 156pg/mL rat TIMP-2 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of rat cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. We recommend that each rat TIMP-2 standard solution and each sample is measured in duplicate.
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Application Details

Comment:	Standard: Expression system for standard: NSO, Immunogen sequence: C27-P220
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	4 °C, -20 °C
Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
Expiry Date:	12 months