

ARG81272 Human TIMP-2 ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG81272 Human TIMP-2 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human TIMP-2 in serum, plasma or cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	TIMP2
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15 pg/ml
Sample Type	Serum, plasma or cell culture supernatants.
Standard Range	31.25 - 2000 pg/ml
Sample Volume	100 µl
Alternate Names	TIMP-2; Tissue inhibitor of metalloproteinases 2; CSC-21K; DDC8; Metalloproteinase inhibitor 2

Application Instructions

Assay Time	~ 3.5 hours
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Properties

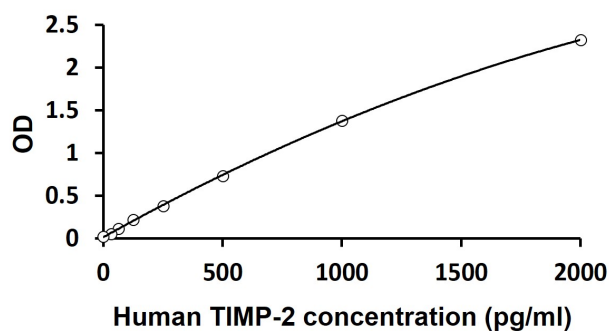
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	TIMP2
Gene Full Name	TIMP metalloproteinase inhibitor 2
Background	This gene is a member of the TIMP gene family. The proteins encoded by this gene family are natural inhibitors of the matrix metalloproteinases, a group of peptidases involved in degradation of the extracellular matrix. In addition to an inhibitory role against metalloproteinases, the encoded protein has a unique role among TIMP family members in its ability to directly suppress the proliferation of endothelial cells. As a result, the encoded protein may be critical to the maintenance of tissue homeostasis by suppressing the proliferation of quiescent tissues in response to angiogenic factors, and by inhibiting protease activity in tissues undergoing remodelling of the extracellular matrix. [provided by RefSeq, Jul 2008]

Function	Complexes with metalloproteinases (such as collagenases) and irreversibly inactivates them by binding to their catalytic zinc cofactor. Known to act on MMP-1, MMP-2, MMP-3, MMP-7, MMP-8, MMP-9, MMP-10, MMP-13, MMP-14, MMP-15, MMP-16 and MMP-19. [UniProt]
Highlight	<p>Related products: TIMP2 antibodies; TIMP2 ELISA Kits;</p> <p>Related news: Detecting MMPs and their non-ECM substrates</p> <p>New ELISA data calculation tool: Simplify the ELISA analysis by GainData</p>
PTM	The activity of TIMP2 is dependent on the presence of disulfide bonds.

Images



ARG81272 Human TIMP-2 ELISA Kit standard curve image

ARG81272 Human TIMP-2 ELISA Kit results of a typical standard run with optical density reading at 450 nm.
