Best Tools for immunology Research

Human TIMP-3 ELISA Kit

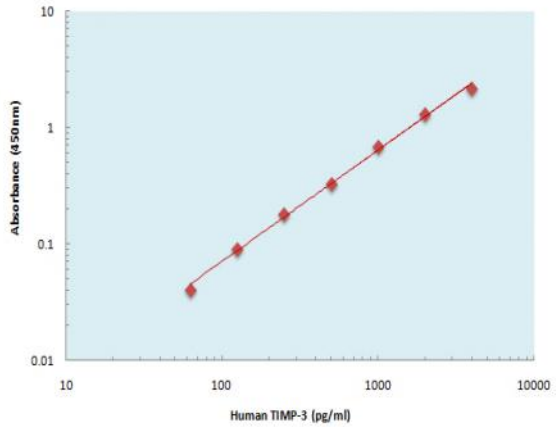
Catalog No :	KE1168
Reactivity :	Human
Applications :	ELISA
Gene Name :	TIMP3
Protein Name :	Metalloproteinase inhibitor 3
Human Gene Id :	7078
Human Swiss Prot No :	P35625
Mouse Swiss Prot No :	P39876
Specificity :	Sample Type for Cell Culture Supernates, Cell lysates, Tissue Lysates, Serum, EDTA Plasma, Heparin Plasma
Storage Stability :	2-8°C/6 months
Detection Method :	Colorimetric
Background :	disease:Defects in TIMP3 are the cause of Sorsby fundus dystrophy (SFD) [MIM:136900]. SFD is a rare autosomal dominant macular disorder with an age of onset in the fourth decade. It is characterized by loss of central vision from subretinal neovascularization and atrophy of the ocular tissues. Generally, macular disciform degeneration develops in the patients eye within 6 months to 6 years.,function:Complexes with metalloproteinases (such as collagenases) and irreversibly inactivates them. May form part of a tissue-specific acute response to remodeling stimuli. Known to act on MMP-1, MMP-2, MMP-3, MMP-7, MMP-9, MMP-13, MMP-14 and MMP-15.,online information:Retina International's Scientific Newsletter,similarity:Belongs to the protease inhibitor I35 (TIMP) family.,similarity:Contains 1 NTR domain.,
Function :	response to acid, induction of apoptosis, aging, response to nutrient, sensory perception, visual perception, induction of apoptosis by extracellular signals, response to wounding, response to mechanical stimulus, response to abiotic stimulus, response to endogenous stimulus, response to hormone stimulus, regulation of catabolic process, negative regulation of catabolic

process, response to extracellular stimulus, response to organic substance, response to organic nitrogen, negative regulation of macromolecule metabolic process, regulation of cell death, positive regulation of cell death, induction of programmed cell death, response to organic cyclic substance, response to amine stimulus,regulation of proteolysis, regeneration, regulation of cellular catabolic process, negative regulation of cellular catabolic process, response to nutrient levels, regulation of cellular protein metabolic

Subcellular Location :

Secreted, extracellular space, extracellular matrix.

Products Images



The Human TIMP-3 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human TIMP-3 proteins within the range of 63-4000 pg/ml.