

ARG83161 Equine TIMP3 ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG83161 Equine TIMP3 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Equine TIMP3 in Serum, Plasma, Saliva and Cell culture supernatants.
Tested Reactivity	Hrs
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	TIMP3
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	3 pg/ml
Detection Range	156 pg/ml - 10,000 pg/ml
Sample Type	Serum, Plasma, Saliva and Cell culture supernatants
Precision	Intra-Assay CV: 4.5% Inter-Assay CV: 5.1%
Alternate Names	HSMRK222; K222TA2; TIMP-3; Protein MIG-5; K222; SFD; Metalloproteinase inhibitor 3; Tissue inhibitor of metalloproteinases 3

Application Instructions

Assay Time ~ 5 hours

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.

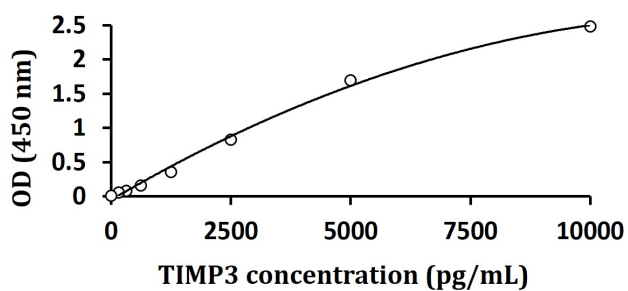
Bioinformation

Gene Symbol	TIMP3
Gene Full Name	TIMP metalloproteinase inhibitor 3
Background	This gene belongs to the TIMP gene family. The proteins encoded by this gene family are inhibitors of the matrix metalloproteinases, a group of peptidases involved in degradation of the extracellular matrix (ECM). Expression of this gene is induced in response to mitogenic stimulation and this netrin domain-containing protein is localized to the ECM. Mutations in this gene have been associated with the autosomal dominant disorder Sorsby's fundus dystrophy. [provided by RefSeq, Jul 2008]

Function Complexes with metalloproteinases (such as collagenases) and irreversibly inactivates them by binding to their catalytic zinc cofactor. 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. [UniProt]

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Images



ARG83161 Equine TIMP3 ELISA Kit standard curve image

ARG83161 Equine TIMP3 ELISA Kit results of a typical standard run with optical density reading at 450 nm.
