

Guinea Pig Stromelysin-2 ELISA Kit | ST2 elisa kit

Guinea Pig Stromelysin-2 ELISA Kit

CATALOG #
AAA92499

REACTIVITY
Guinea Pig

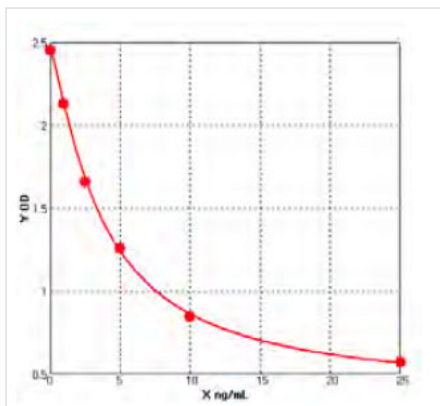
PRODUCT SYNONYMS

Stromelysin-2; Guinea Pig Stromelysin-2 ELISA Kit; ST2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Specificity	This assay has high sensitivity and excellent specificity for detection of MMP-10. No significant cross-reactivity or interference between MMP-10 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MMP-10 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ST2 elisa kit	Principle of the Assay: MMP-10 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-MMP-10 antibody and an MMP-10-HRP conjugate. The assay sample and buffer are incubated together with MMP-10-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the MMP-10 concentration since MMP-10 from samples and MMP-10-HRP conjugate compete for the anti-MMP-10 antibody binding site. Since the number of sites is limited, as more sites are occupied by MMP-10 from the sample, fewer sites are left to bind MMP-10-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MMP-10 concentration in each sample is interpolated from this standard curve. Intended Uses: This MMP-10 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig MMP-10. This ELISA kit for research use only, not for therapeutic or test applications!
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505205
NCBI GeneID	4319
NCBI Accession #	NP_002416.1
NCBI GenBank Nucleotide #	NM_002425.2
UniProt Accession #	P09238; Q53HH9; B2R9X9
Molecular Weight	54,151 Da
NCBI Official Full Name	stromelysin-2 preproprotein
NCBI Official Synonym Full Names	matrix metallopeptidase 10 (stromelysin 2)
NCBI Official Symbol	MMP10
NCBI Official Synonym Symbols	SL-2; STMY2
NCBI Protein Information	stromelysin-2; MMP-10; transin 2; transin-2; stromelysin 2; matrix metalloprotease 10; matrix metalloproteinase-10; matrix metalloproteinase 10 (stromelysin 2)
UniProt Protein Name	Stromelysin-2
UniProt Gene Name	MMP10
UniProt Synonym Gene Names	STMY2; SL-2; MMP-10
UniProt Entry Name	MMP10_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.