

Bovine Stromelysin-1 ELISA Kit | ST1 elisa kit

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CATALOG #
AAA94401

REACTIVITY
Bovine

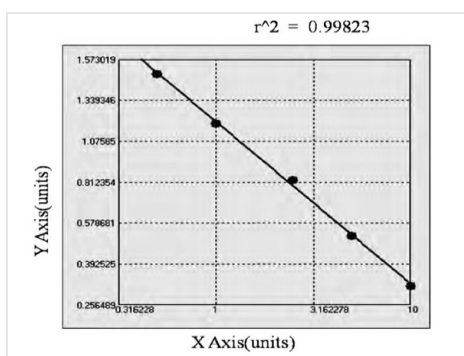
PRODUCT SYNONYMS

Stromelysin-1; Bovine Stromelysin-1 ELISA Kit; ST1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This ST1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine ST1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ST1 elisa kit

Principle of the assay: ST1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ST1 antibody and an ST1-HRP conjugate. The assay sample and buffer are incubated together with ST1-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 ST1 concentration since ST1 from samples and ST1-HRP conjugate compete for the anti-ST1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ST1 from the sample, fewer sites are left to bind ST1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ST1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505217
NCBI GeneID	4314
NCBI Accession #	NP_002413.1
NCBI GenBank Nucleotide #	NM_002422.3
Molecular Weight	53,977 Da
NCBI Official Full Name	stromelysin-1 preproprotein
NCBI Official Synonym Full Names	matrix metalloproteinase 3 (stromelysin 1, progelatinase)
NCBI Official Symbol	MMP3
NCBI Official Synonym Symbols	SL-1; STMY; STR1; CHDS6; MMP-3; STMY1
NCBI Protein Information	stromelysin-1; transin-1; proteoglycanase; matrix metalloproteinase-3; matrix metalloproteinase 3 (stromelysin 1, progelatinase)
UniProt Protein Name	Stromelysin-1
UniProt Gene Name	MMP3
UniProt Synonym Gene Names	STMY1; SL-1; MMP-3
UniProt Entry Name	MMP3_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/st1-bovine-ovine-elisa-kits/stromelysin-1/94401>