

Sheep Stromelysin-2 ELISA Kit | ST2 elisa kit

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CATALOG #
AAA90254

REACTIVITY
Sheep

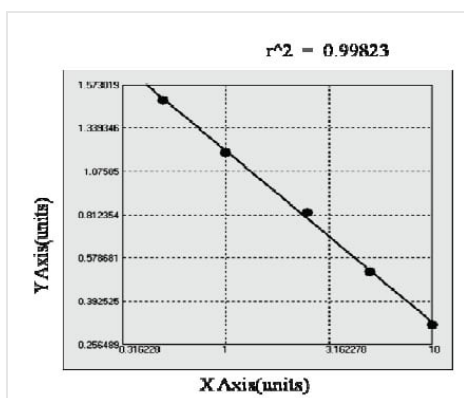
PRODUCT SYNONYMS

Stromelysin-2; Sheep Stromelysin-2 ELISA Kit; ST2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
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	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This ST2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep ST2. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY ST2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ST2 antibody and an ST2-HRP conjugate. The assay sample and buffer are incubated together with ST2-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 ST2 concentration since ST2 from samples and ST2-HRP conjugate compete for the anti-ST2 antibody binding site. Since the number of sites is limited, as more sites are occupied by ST2 from the sample, fewer sites are left to bind ST2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ST2 concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505205
NCBI GeneID	4319
NCBI Accession #	NP_002416.1
NCBI GenBank Nucleotide #	NM_002425.2
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.