

Human Stromelysin-3 (ST3) ELISA Kit | ST3 elisa kit

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CATALOG #
AAA331754

REACTIVITY
Human

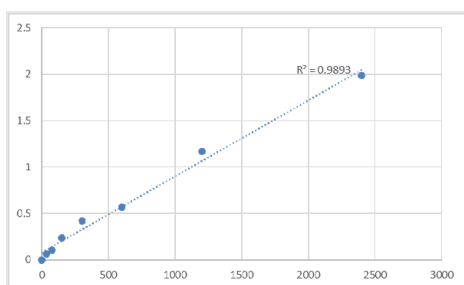
PRODUCT SYNONYMS

Stromelysin-3 (ST3); Human Stromelysin-3 (ST3) ELISA Kit; MMP11; SL-3; ST3; STMY3; matrix metalloproteinase 11; matrix metalloproteinase 11 (stromelysin 3); stromelysin 3; stromelysinl; ST3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Stromelysin-3 (ST3) ELISA Kit has high sensitivity and excellent specificity for detection of Human MMP11. No significant cross-reactivity or interference between Human MMP11 and analogues was observed.
Sequence Length	488
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Stromelysin-3 (ST3) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ST3 elisa kit	Description: This Human Stromelysin-3 (ST3) ELISA Kit employs a two-site sandwich ELISA to quantitate MMP11 in samples. An antibody specific for MMP11 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MMP11 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MMP11 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MMP11 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. However, the enzyme encoded by ST3 is activated intracellularly by furin within the constitutive secretory pathway. Also in contrast to other MMP's, this enzyme cleaves alpha 1-proteinase inhibitor but weakly degrades structural proteins of the extracellular matrix.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	58331148
NCBI GeneID	4320
NCBI Accession #	NP_005931.2
NCBI GenBank Nucleotide #	NP_005931.2
UniProt Accession #	P24347
NCBI Official Full Name	stromelysin-3 preproprotein
NCBI Official Synonym Full Names	matrix metalloproteinase 11
NCBI Official Symbol	MMP11
NCBI Official Synonym Symbols	ST3; SL-3; STMY3
NCBI Protein Information	stromelysin-3
UniProt Protein Name	Stromelysin-3
UniProt Gene Name	MMP11
UniProt Synonym Gene Names	STMY3; SL-3; ST3; MMP-11
UniProt Entry Name	MMP11_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.