

Human Mammary Serine Protease Inhibitor (Maspin) ELISA Kit | SERPINB5 elisa kit

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CATALOG #
AAA137157

REACTIVITY
Human

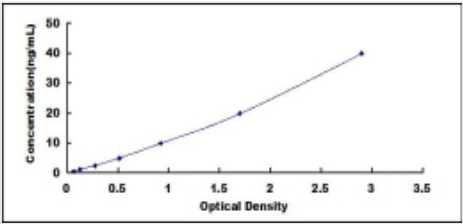
PRODUCT SYNONYMS

Mammary Serine Protease Inhibitor (Maspin); Human Mammary Serine Protease Inhibitor (Maspin) ELISA Kit; SERPINB5; PI5; Protease Inhibitor 5; Serpin Peptidase Inhibitor Clade B Member 5; SERPINB5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Mammary Serine Protease Inhibitor (Maspin). No significant cross-reactivity or interference between Mammary Serine Protease Inhibitor (Maspin) and analogues was observed.
Sequence Length	375
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	0.625-40ng/mL
Sensitivity	0.233ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Mammary Serine Protease Inhibitor (Maspin) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Mammary Serine Protease Inhibitor (Maspin) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SERPINB5 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Mammary Serine Protease Inhibitor (Maspin). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Mammary Serine Protease Inhibitor (Maspin). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Mammary Serine Protease Inhibitor (Maspin), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Mammary Serine Protease Inhibitor (Maspin) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for SERPINB5 elisa kit	Tumor immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	453369
NCBI GeneID	5268
UniProt Accession #	P36952; Q6N0B4; Q8WW89; B2R6Y4
Molecular Weight	25,763 Da
NCBI Official Full Name	maspin
NCBI Official Synonym Full Names	serpin peptidase inhibitor, clade B (ovalbumin), member 5
NCBI Official Symbol	SERPINB5
NCBI Official Synonym Symbols	PI5; maspin
NCBI Protein Information	serpin B5
UniProt Protein Name	Serpin B5
UniProt Gene Name	SERPINB5
UniProt Synonym Gene Names	PI5; PI-5
UniProt Entry Name	SPB5_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.