

Human Maspin (serpin B5) ELISA Kit | Maspin elisa kit

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CATALOG #
AAA82870

REACTIVITY
Human

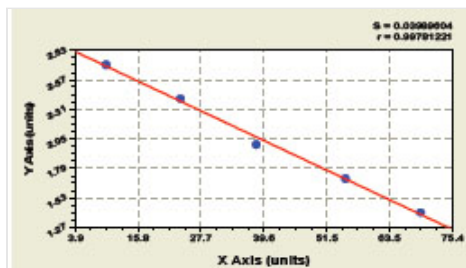
PRODUCT SYNONYMS

Maspin (serpin B5); Human Maspin (serpin B5) ELISA Kit; Maspin elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	25-500ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This MSB5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human MSB5. 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 Maspin elisa kit

Principle of the assay: MSB5 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-MSB5 antibody and an MSB5-HRP conjugate. The assay sample and buffer are incubated together with MSB5-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 MSB5 concentration since MSB5 from samples and MSB5-HRP conjugate compete for the anti-MSB5 antibody binding site. Since the number of sites is limited, as more sites are occupied by MSB5 from the sample, fewer sites are left to bind MSB5-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MSB5 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	453369
NCBI GeneID	5268
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; PI-5; peptidase inhibitor 5; protease inhibitor 5 (maspin); serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 5
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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/maspin-serpin-b5/82870>