

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

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CATALOG #
AAA95419

REACTIVITY
Canine

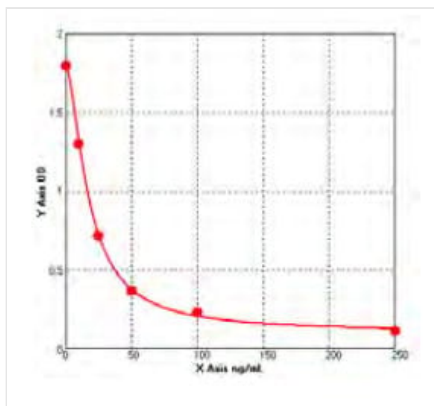
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of MB5. No significant cross-reactivity or interference between MB5 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MB5 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
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: MB5 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-MB5 antibody and an MB5-HRP conjugate. The assay sample and buffer are incubated together with MB5-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 MB5 concentration since MB5 from samples and MB5-HRP conjugate compete for the anti-MB5 antibody binding site. Since the number of sites is limited, as more sites are occupied by MB5 from the sample, fewer sites are left to bind MB5-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MB5 concentration in each sample is interpolated from this standard curve. Intended Uses: This MB5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine MB5. This ELISA kit for research use only, not for therapeutic or test applications!
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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/canine-elisa-kits/maspin-serpin-b5/95419>