

Human Serpin B5 (SERPINB5) ELISA Kit | SERPINB5 elisa kit

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CATALOG #
AAA330907

REACTIVITY
Human

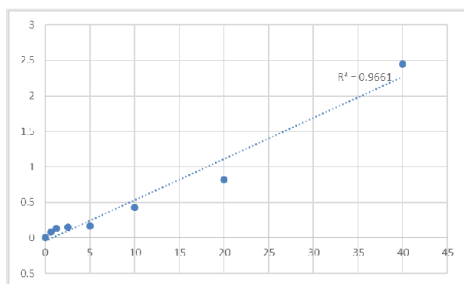
PRODUCT SYNONYMS

Serpin B5 (SERPINB5); Human Serpin B5 (SERPINB5) ELISA Kit; SERPINB5; PI5; maspin; protease inhibitor 5 (maspin); serine (or cysteine) proteinase inhibitor; clade B (ovalbumin); member 5; SERPINB5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Serpin B5 (SERPINB5) ELISA Kit has high sensitivity and excellent specificity for detection of Human SERPINB5. No significant cross-reactivity or interference between Human SERPINB5 and analogues was observed.
Sequence Length	375
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 Serpin B5 (SERPINB5) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SERPINB5 elisa kit	Description: This Human Serpin B5 (SERPINB5) ELISA Kit employs a two-site sandwich ELISA to quantitate SERPINB5 in samples. An antibody specific for SERPINB5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SERPINB5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SERPINB5 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 SERPINB5 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Maspin is a serpin and tumor suppressor gene. It has been associated with prostate cancer and breast cancer. It has also been associated with tumors of the pancreas. It was identified in 1994. In normal cells expressing SERPINB5, the SERPINB5 promoter is unmethylated and the promoter region has acetylated histones and an accessible chromatin structure. In contrast, normal cells that do not express SERPINB5 have a completely methylated SERPINB5 promoter with hypoacetylated histones, an inaccessible chromatin structure, and a transcriptional repression that is relieved by inhibition of DNA methylation. These findings indicated that cytosine methylation is important in the establishment and maintenance of cell type-restricted gene expression.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	167860126
NCBI GeneID	5268
NCBI Accession #	NP_002630.2
NCBI GenBank Nucleotide #	NP_002630.2
UniProt Accession #	P36952
NCBI Official Full Name	serpin B5
NCBI Official Synonym Full Names	serpin family B 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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/serpin-b5-serpinb5/330907>