

Human Kunitz-Type Protease Inhibitor 2 (SPINT2) ELISA Kit | SPINT2 elisa kit

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CATALOG #
AAA330232

REACTIVITY
Human

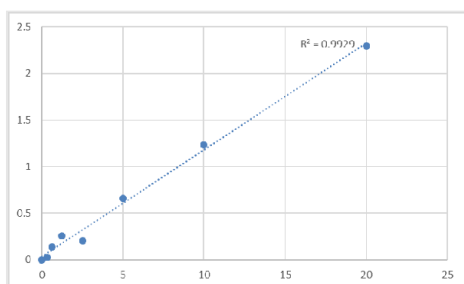
PRODUCT SYNONYMS

Kunitz-Type Protease Inhibitor 2 (SPINT2); Human Kunitz-Type Protease Inhibitor 2 (SPINT2) ELISA Kit; DIAR3; FLJ45571; HAI-2; HAI2; Kop; PB; hepatocyte growth factor activator inhibitor type 2; placental bikunin; serine protease inhibitor; Kunitz type; 2; SPINT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Kunitz-type protease inhibitor 2 (SPINT2) ELISA Kit has high sensitivity and excellent specificity for detection of Human SPINT2. No significant cross-reactivity or interference between Human SPINT2 and analogues was observed.
Sequence Length	195
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 Kunitz-type protease inhibitor 2 (SPINT2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SPINT2 elisa kit	Description: This Human Kunitz-type protease inhibitor 2 (SPINT2) ELISA Kit employs a two-site sandwich ELISA to quantitate SPINT2 in samples. An antibody specific for SPINT2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SPINT2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SPINT2 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 SPINT2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: SPINT2 encodes a transmembrane protein with two extracellular Kunitz domains that inhibits a variety of serine proteases. Kunitz-type protease inhibitor 2 inhibits HGF activator which prevents the formation of active hepatocyte growth factor. SPINT2 is a putative tumor suppressor, and mutations in this gene result in congenital sodium diarrhea. Multiple transcript variants encoding different isoforms have been found for SPINT2.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	260656008
NCBI GeneID	10653
NCBI Accession #	NP_001159575.1
NCBI GenBank Nucleotide #	NP_001159575.1
UniProt Accession #	O43291
NCBI Official Full Name	kunitz-type protease inhibitor 2 isoform b
NCBI Official Synonym Full Names	serine peptidase inhibitor, Kunitz type 2
NCBI Official Symbol	SPINT2
NCBI Official Synonym Symbols	PB; Kop; HAI2; DIAR3; HAI-2
NCBI Protein Information	kunitz-type protease inhibitor 2
UniProt Protein Name	Kunitz-type protease inhibitor 2
UniProt Gene Name	SPINT2
UniProt Synonym Gene Names	HAI2; KOP; HAI-2
UniProt Entry Name	SPIT2_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://www.aaabiotech.com/human-elisa-kits/kunitz-type-protease-inhibitor-2-spint2/330232>