

Human SPINT1/HAI-1 (Serine Peptidase Inhibitor,Kunitz Type 1) ELISA Kit | SPINT1/HAI-1 elisa kit

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CATALOG #
AAA251025

REACTIVITY
Human

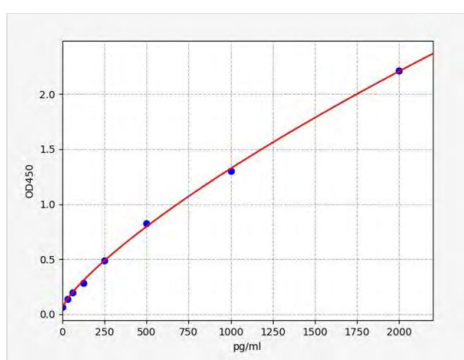
PRODUCT SYNONYMS

SPINT1/HAI-1 (Serine Peptidase Inhibitor; Kunitz Type 1); Human SPINT1/HAI-1 (Serine Peptidase Inhibitor; Kunitz Type 1) ELISA Kit; SPINT1/HAI-1; Serine Peptidase Inhibitor; Kunitz Type 1; Kunitz-type protease inhibitor 1; Hepatocyte growth factor activator inhibitor type 1 (HAI-1); SPINT1/HAI-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize SPINT1/HAI-1, no obvious cross reaction with other analogues
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SPINT1/HAI-1 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti SPINT1/HAI-1 antibody was pre-coated onto the 96-well plate. The biotin conjugated anti SPINT1/HAI-1 antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with SPINT1/HAI-1 conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of SPINT1/HAI-1 in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	74027265
NCBI GeneID	6692
NCBI Accession #	NP_001027539.1
NCBI GenBank Nucleotide #	NM_001032367.1
UniProt Accession #	O43278; Q7Z7D2
Molecular Weight	56,885 Da
NCBI Official Full Name	kunitz-type protease inhibitor 1 isoform 2
NCBI Official Synonym Full Names	serine peptidase inhibitor, Kunitz type 1
NCBI Official Symbol	SPINT1
NCBI Official Synonym Symbols	HAI; HAI1; MANSC2
NCBI Protein Information	kunitz-type protease inhibitor 1
UniProt Protein Name	Kunitz-type protease inhibitor 1
UniProt Gene Name	SPINT1
UniProt Synonym Gene Names	HAI1; HAI-1
UniProt Entry Name	SPIT1_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/spint1-hai-1-serine-peptidase-inhibitor-kunitz-type-1/251025>