

Human SPINT1 ELISA Kit | SPINT1 elisa kit

Human SPINT1/HAI-1 PicoKine ELISA Kit

CATALOG #
AAA46656

REACTIVITY
Human

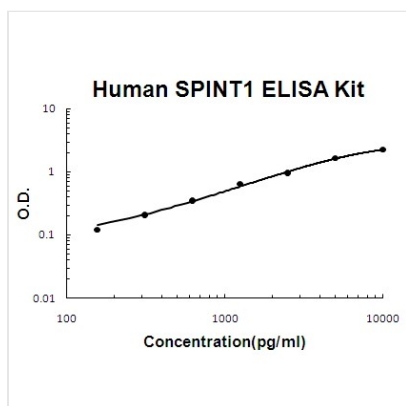
PRODUCT SYNONYMS

SPINT1; Human SPINT1/HAI-1 PicoKine ELISA Kit; HAI 1; HAI1; HAI-1; MANSC2; SPINT 1; O43278; Kunitz-type protease inhibitor 1; serine peptidase inhibitor; Kunitz type 1; SPINT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human SPINT1/HAI-1
Sequence Length	513
Samples	Cell culture supernates, serum and plasma(heparin).
Assay Type	Sandwich
Detection Range	156pg/ml-10000pg/ml
Sensitivity	<15pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice).

IMAGES



Standard Curve (Sample)

Human SPINT1/HAI-1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for SPINT1 elisa kit	Principle of the Assay: Human SPINT1/HAI-1 ELISA Kit was based on standard sandwich enzyme-linked immunosorbent assay technology. A monoclonal antibody from mouse specific for SPINT1/HAI-1 has been precoated onto 96-well plates. Standards(Expression system for standard: NSO; Immunogen sequence: G36-L529) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for SPINT1/HAI-1 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human SPINT1/HAI-1 amount of sample captured in plate. Background/Introduction: Kunitz-type protease inhibitor 1 is an enzyme that in humans is encoded by the SPINT1 gene. It is a member of the Kunitz family of serine protease inhibitors. The SPINT1 gene encodes an inhibitor of hepatocyte growth factor activator (HGFAC) and matriptase and is involved in degradation of the extracellular matrix. SPINT1 is produced as an active membrane-associated protein and is proteolytically cleaved and secreted. Alternative splicing results in multiple variants encoding different isoforms.
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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.