

Human HAI-1 ELISA Kit | SPINT1 elisa kit

Human HAI-1 ELISA Kit

CATALOG #
AAA263087

REACTIVITY
Human

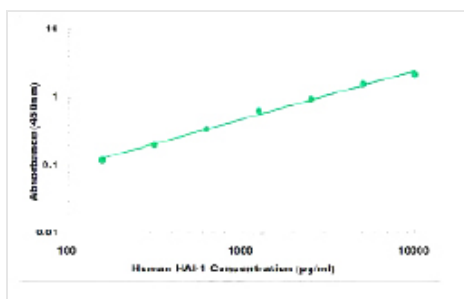
PRODUCT SYNONYMS

HAI-1; Human HAI-1 ELISA Kit; HAI1; Kunitz-type protease inhibitor 1; Hepatocyte growth factor activator inhibitor type 1; SPINT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human HAI-1 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human HAI-1 proteins within the range of 156 pg/ml - 10000 pg/ml.
Sequence Length	513
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<15 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SPINT1 elisa kit

Principle of the Assay: The Human HAI-1 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human HAI-1 in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Human HAI-1 coated on a 96-well plate. Standards and samples are pipetted into the wells and HAI-1 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human HAI-1 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of HAI-1 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

Background: 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.

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://www.aaabiotech.com/spint1-human-elisa-kits/hai-1/263087>